



SURGICAL SUTURES, MESHES AND BIOSURGICALS

GENERAL CATALOG

B. BRAUN "SHARING EXPERTISE"

B. Braun is a family-owned company with a sense of responsibility towards its employees and the regions in which it operates. With 175 years of history, B. Braun is still growing from its own resources and it reinvests continuously in the company to keep excellent products in the markets. "Sharing Expertise" is a basis for building up professional partnerships and promoting mutual transfer of knowledge and expertise between co-workers and customers as well as in all interactions in and with our company.



WHAT WE PROMISE

Our core values are the center of our brand positioning, they are the energy source of the B. Braun brand. This expresses our brand's central promise.

SHARING EXPERTISE

To B. Braun, Sharing Expertise means continuously developing effective solutions through constructive dialogs with customers and partners in order to protect health and sustainably improve people's lives.

INNOVATION, EFFICIENCY AND SUSTAINABILITY are the main pillars of our business philosophy which describe the key attributes upon which the brand core is based.



TRANSPARENCY, TRUST AND RECOGNITION closely interwoven form a solid foundation for the corporate values to create products and services of the highest quality for the healthcare market.



CLOSURE TECHNOLOGIES SOLUTIONS

By 1906, more than a hundred methods for sterilizing catgut existed. The breakthrough came in 1908, when a pioneering company created a technique able to assure the supply of consistently sterile sutures to hospitals and other medical facilities. This company was B. Braun!

Since then, B. Braun is committed to innovation and excellence in product-driven research, development and production. Furthermore, in Closure Technologies (CT) we remain loyal to our roots by working closely together with healthcare professionals, making them part of our principal commitment. In CT we are *Closer to You*.

COMPLETE PRODUCT RANGE

B. Braun offers a complete range of absorbable sutures, non-absorbable sutures, customized surgical procedures sutures sets (Pro-Set) and special suture sets, as well as a full range of meshes, biosurgicals and other products for wound closure.

HIGH QUALITY

B. Braun has achieved its leading position in the field of surgery thanks to its high quality products. All B. Braun manufacturing plants have a certified quality management system for assuring the quality of raw materials, semi-finished and finished products, and guarantees the traceability of each product manufactured.

INNOVATIVE

It is our belief that only innovative products, which increase the customer benefit, can ensure a long term success on the market. Our innovative products, developed by our own R&D department, are also the result of the shared knowledge between competent employees as well as clinical experts and users, true to our motto: *Sharing Expertise*.

AESCULAP ACADEMY

The Aesculap Academy is the most important forum for continuous medical education worldwide. It helps to impart acquired knowledge to physicians, specialist clinical personnel and hospital management. In doing so it works closely with trade associations and medical associations, as well as with clinics and universities.



CONTENTS

SUTURES GENERAL INFORMATION

- PACKAGING INFORMATION
- NEEDLE INFORMATION

SUTURES

■ ABSORBABLE SUTURES

Novosyn® Quick
Novosyn®
Safil®
Monosyn® Quick
Monosyn®
MonoPlus®
Monomax®

■ NON-ABSORBABLE SUTURES

Optilene®
Premilene®
PremiCron®
Dafilon®
Trelon®
Supramid
Dagrofil®
Silkam®
Steelex®

■ MECHANICAL SUTURES

Manipler AZ
Reliable consistent performance
Skin staple remover
Fast and easy

■ SETS

Safil® Parenchyma-Set
For parenchymal organs
Securex®
For intracutaneous suturing
Tendo-Loop
For the repair of ruptured tendons according to Tsuge technique
Cervix-Set
For the treatment of cervical incompetence
Patella-Set
For fractures of the patella

Tendofil®

For the repair of ruptured tendons according to Lengemann technique

Ventrofil®

For tension relief

Surgical Loop

For organ retraction and more

Steelex® Sternum-Set

For sternum closure

Steelex® Electrode-Set

For the control and treatment of arrhythmias

Pro-Set

Suture sets customized to your particular needs

MESHES

■ NON-ABSORBABLE MESHES

Premilene® Mesh

Traditional polypropylene mesh for hernia repair

Premilene® Mesh Plug

Self-expandable polypropylene mesh plug for inguinal hernia repair

Optilene® Mesh

Universal mesh for inguinal and incisional hernia repair

Optilene® Mesh LP

Super-light mesh ideal for inguinal hernia repair procedures

Optilene® Mesh elastic

Elastic light-weight and large pore mesh

Omyra® Mesh

Condensed PTFE mesh with large pores, for intra-peritoneal placement

Omyra® Mesh TX

■ ABSORBABLE MESHES

Safil® Mesh

Absorbable mesh for temporary wound and organ support

Safil® Mesh Bag

Absorbable mesh bag for organ stabilization and hemostasis

CONTENTS

BIOSURGICALS

■ TISSUE ADHESIVES

Histoacryl®

Tissue adhesive

Histoacryl® Flexible

Improved closure of surgical incisions

■ MESH FIXATION

Histoacryl® Pro-Set OFX and OFX-1

Non-traumatic mesh fixation in open hernia repair

■ HEMOSTATS

Sangustop®

Local hemostatic agent for all types of bleeding

Lyostypt®

Local hemostatic agent for minor bleeding

Cellistypt®

Local hemostat made of oxidized resorbable cellulose

Gelita

Local hemostatic agent when support or filling in of dead spaces is needed

Bone Wax / Bone Wax Stick

For mechanical hemostasis in bone bleeding

■ BONE REGENERATOR

Osteovit®

Collagen matrix for filling bone defects

■ ENDOLUMINAL VACUUM THERAPY

Endo-SPONGE®

EVT for colorectal area

Eso-SPONGE®

EVT for oesophageal area

■ SIMPLE MANAGEMENT OF NEEDLES AND BLADES

OP-Magnet

SUTURES GENERAL INFORMATION

Packaging information

Needle information

PACKAGING INFORMATION

RacePack®

DDP-Direct Dispense Packaging

Easy suture color coding

Easy mesh color coding

B. Braun bar code systems

B. Braun useful accessories

B. Braun guarantee of consistent high quality

RacePack®

UNIQUE AND INNOVATIVE SUTURE PACKAGING SYSTEM BY B. BRAUN

UNIQUE AND INNOVATIVE

B. Braun has a long history of suture expertise and the use of state of the art technology. By using this expertise along with our commitment to constant improvement, B. Braun, through our ongoing partnership with OR staffs around the world, has developed the latest in suture packaging innovation. RacePack® is a new standard in suture packaging that addresses the needs of your surgical team in a whole new way.



RacePack®

RacePack®-single step packaging system

- Faster suture transfer, time savings for OR staff

RacePack®-less memory effect

- A reduction of up to 40% compared to standard packaging in the market

RacePack® friendly product identification





HANDLING STEPS



Open non-sterile outer package
 ■ Wide grasp area



RacePack® transfer to sterile field



Grasp needle directly from the packaging with the
 needle holder
 ■ Flexible rear flap allows an easier grasping of
 the needle



Pull out the suture to the right

DDP-DIRECT DISPENSE PACKAGING



Clearly labelled product information and easy product identification

HANDLING STEPS



Open non-sterile outer package



Transfer to sterile field





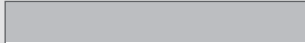

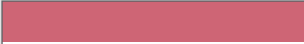

Tear-off opening system, indicated by colored arrows




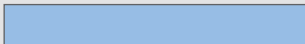
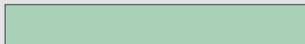



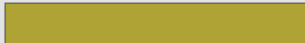
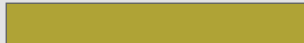

Quick and direct gripping of the needle. Pull out the suture to the right

EASY SUTURE COLOR CODING

ABSORBABLE SUTURES



 ■ Monosyn® Quick	 ■ Monosyn®	 ■ MonoPlus®	 ■ Monomax®
 ■ Novosyn® Quick	 ■ Novosyn® ■ Safil® ■ Safil® Parenchyma-Set		

NON-ABSORBABLE SUTURES

 ■ Optilene® ■ Securex®	 ■ Premilene®	 ■ Dafilon® ■ Supramid ■ Trelon®	 ■ Premicron® ■ Tendo-Loop
 ■ Dagrofil® ■ Cervix-Set	 ■ Silkam®	 ■ Steelex® ■ Steelex® Electrode-Set ■ Steelex® Sternum-Set ■ Ventrofil®	 ■ Patella-Set ■ Tendofil®
 ■ Surgical Loop			

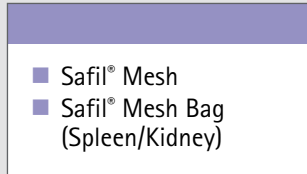
ARTICLE CODING FOR EASY BOX CONTENT IDENTIFICATION

The suture code number consists of 1 letter and 7 digits. The letter identifies the number of units in each box:

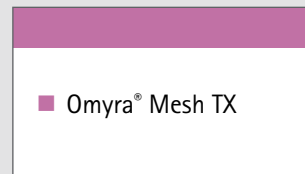
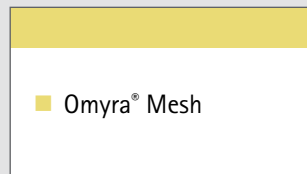
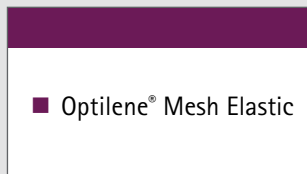
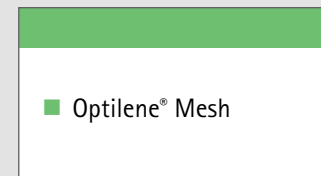
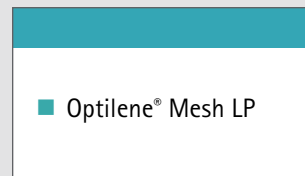
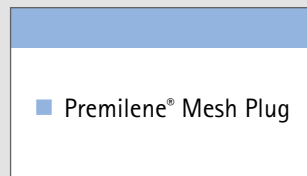
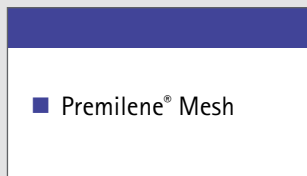
	
M	Box of 6 units
G	Box of 12 units
B	Box of 24 units
C	Box of 36 units

EASY MESH COLOR CODING

ABSORBABLE MESHES



NON-ABSORBABLE MESHES



B. BRAUN BAR CODE SYSTEMS

DATA MATRIX

B. Braun prints the data matrix (2D or two-dimensional) bar codes with the EAN-128 information on each individual packaging and box, thus guaranteeing a unique product identification, which includes expiry date and batch number, at all levels of packaging.



LINEAR BAR CODE

In addition to the data matrix, B. Braun prints bar codes with the EAN-128 information on each box.

PRIMARY BAR CODE

GTIN 13 [Global Trade Item Number].



SECONDARY BAR CODE

Expiry date and batch number.



INFORMATION OF EAN-128

- GTIN 13 [Global Trade Item Number] application identifier 01
- Expiry date application identifier 17
- Batch number application identifier 10

B. BRAUN USEFUL ACCESSORIES

SHELF RACK

Each shelf rack can take up to 4 suture boxes.



Article	Code number
Shelf rack	1091255

SHELF BASE

The shelf base can carry up to 10 shelf racks.
It can be fixed on the wall.



Article	Code number
Shelf base	1091247

B. BRAUN GUARANTEE OF CONSISTENT HIGH QUALITY

All B. Braun products have the labeled CE Mark.

Symbols for use in the labeling of medical devices according to ISO 15223.

Do not reuse



Use by (year + month + day) or (year + month)



Sterile unless package is opened or damaged
Method of sterilization: Ethylene oxide



Sterile unless package is opened or damaged
Method of sterilization: Gamma-irradiation



CE-mark and identification number of notified body
Product conforms to the essential requirements of the Medical Device Directive 93/42/EEC



Batch number



CAUTION (See instructions for use)



Catalog number



NEEDLE INFORMATION

B. Braun high performance surgical needles

B. Braun top needle range

B. Braun needle types

B. Braun needle nomenclature

B. Braun needles

B. BRAUN HIGH PERFORMANCE SURGICAL NEEDLES

QUALITY AND HIGH PERFORMANCE

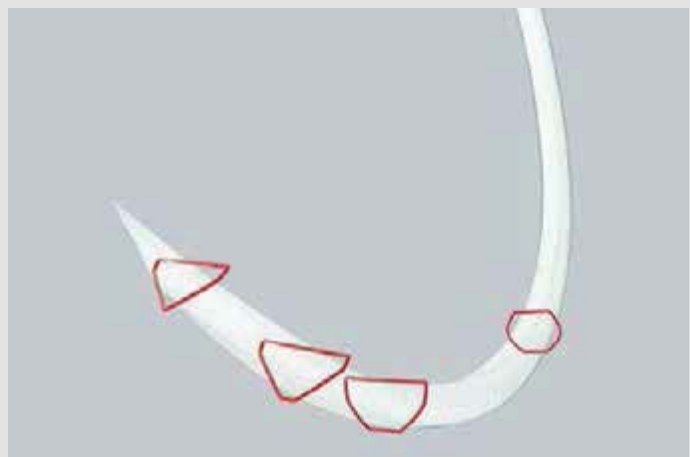
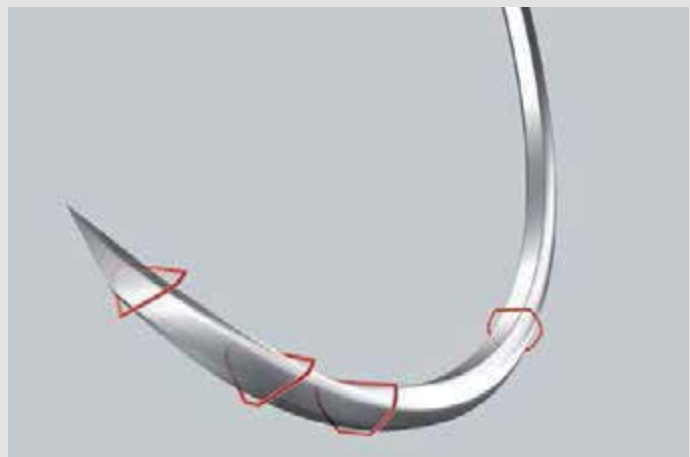
- B. Braun needles have gained recognition over the years for their quality and high performance.

CONSTANT DEVELOPMENT

- B. Braun has state of the art technology and is committed to constant research and development in order to improve needles to the requirements of all surgical disciplines.

MORE THAN 300 DIFFERENT TYPES OF NEEDLES

- B. Braun has over 300 different types of needles to meet the requirements of surgical procedures as well as the surgeon's personal preferences.



B. BRAUN TOP NEEDLE RANGE



Easyslide and CV pass needles are the result of both extensive research in metallurgical technology and clinical experience.

This has resulted in needles that are made of high quality stainless steel alloy.

BENDING RESISTANCE

with high performing needles

- Special steel confers superior strength
- Outstanding bending and breaking resistance

PENETRATION

specific needle tip design

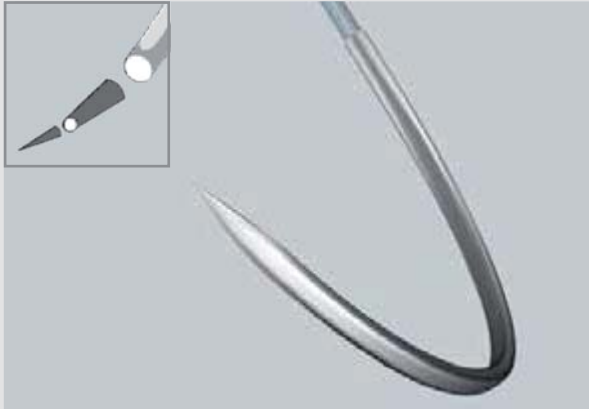
- Continuous penetration performance pass after pass
- Engineered surface treatment that improves needle penetration



B. BRAUN NEEDLE TYPES

Taper needle ●

The taper needle is designed to permit easy penetration of the tissue. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle is designed for soft tissues. CV pass needle with square needle body instead of flattened needle body for increased bending strength. This needle is specially designed for cardiovascular indications.



Taper needle with short cutting point ☺

This round bodied needle with a short cutting point improves penetration through calcified vessels and tough tissue. The body of the needle is flattened to prevent the needle from rotating in the needle holder. CV pass needle with square needle body instead of flattened needle body for increased bending strength. This needle is specially designed for cardiovascular indication.



Taper needle with trocar point ⊕

Needle with strong cutting point of four edges that blend into a round tapered body. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle allows good penetration in tough tissues in order to avoid tissue trauma.



Taper needle with sternum point ▲

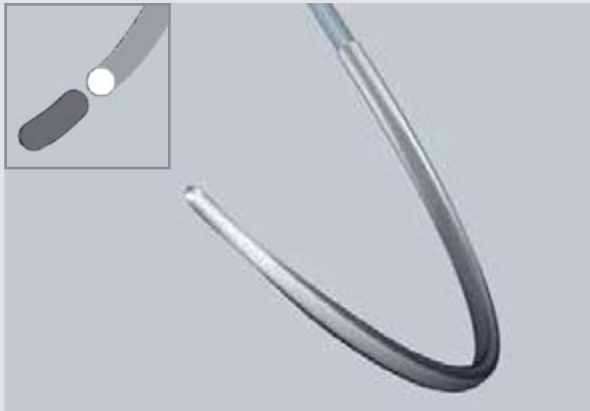
Needle with tapered body which gradually changes to a three cutting edge point. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle is specially designed for sternum closure.



Taper needle with blunt point



Needle with a tapered body and a rounded blunt point that does not cut through the tissue. The body of the needle is flattened to prevent the needle from rotating in the needle holder. This needle is recommended for parenchymal tissue to avoid tissue damage in surrounding structures.



Taper needle with protection point



Needle specially designed to minimize needle stitch injury. The needle allows penetration of the fascia but reduces the risk of accidental needle stitch injuries. Needle with triangular cross section with rounded non cutting edges to increase pending performance which gradually changes to tapered needle end with the protection point.



Reverse cutting



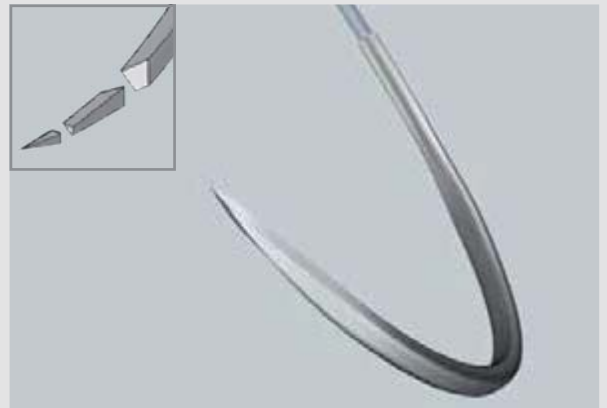
Needle with a triangular cross section and an apex cutting edge on the outside of the needle curvature. Designed to penetrate through tissue.



Reverse cutting with precision point



Needle with a specific thin tip geometry and an apex cutting edge on the outside. The body is slowly flattened after the needle tip for greater stability of the needle-holder. The ideal needle for plastic surgery where the cosmetic result is important.



B. BRAUN NEEDLE TYPES

Lancet needle



Micro-point

Special needle tip designed to pass through ophthalmic structures without damaging the upper and lower layer of stroma.



B. BRAUN NEEDLE NOMENCLATURE

TO IDENTIFY THE DIFFERENT TYPES OF NEEDLES, B. BRAUN USES THE FOLLOWING NOMENCLATURE:

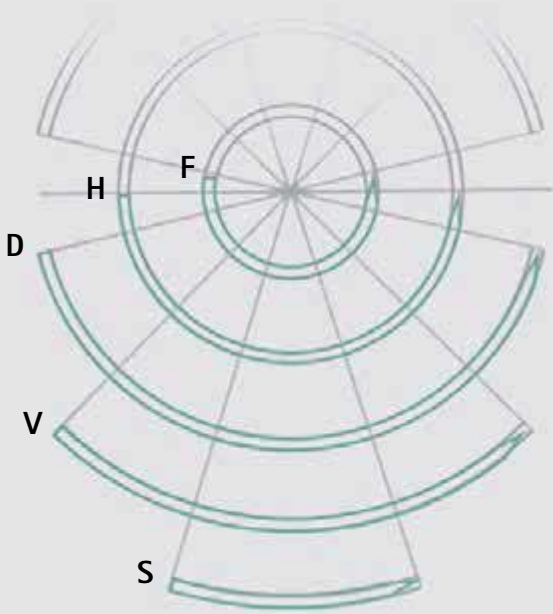
A	B	C	12	D
Needle curvature	Body type	Point type	Needle length	Remark
S 1/8 circle	R round body	T trocar point	This refers to the distance between the needle point and the needle end, measured along the length of the needle in mm.	ff extra thin bodied needle
V 1/4 circle	S cutting needle	N blunt point		f thin bodied needle
D 3/8 circle	L lancet needle	S sternum point		s heavy bodied needle
H 1/2 circle		C short cutting point		ss extra heavy bodied needle
F 5/8 circle		M micro-point		v break-off needle
G straight		MP precision point		b black needle
P progressive curved		m micro needle		
J hook		mV micro vascular		
SK ski needle		B protection point		

Example:

H	R	C	26	
----------	----------	----------	-----------	--

HRC 26→1/2 circle round bodied needle with short cutting point, 26 mm long.

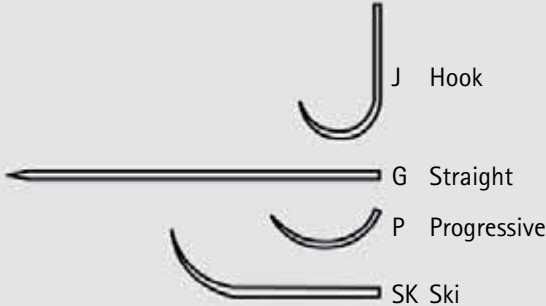
Needle angle of curvature "Take off" removable needle



- S 1/8 circle
- V 1/4 circle
- D 3/8 circle
- H 1/2 circle
- F 5/8 circle

In order to remove the needle from the suture without the aid of scissors, one must pull the suture taut and secure and grasp the needle in the needleholder. A straight tug of the needleholder will then release the needle from the suture.

Others









B. BRAUN NEEDLES





Taper needle (micro vascular needle) ●

Micro vascular needle taper point

3/8 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
DRmV 6b	135°	6,4	140µm		DRmV 10b	135°	9,3	200µm	
DRmV 8b	135°	7,9	140µm		DRmV 13b				






Progressive curved

	angle	length mm	diameter microns			angle	length mm	diameter microns	
PRmV 8b	85° / 101°	7,9	200µm		PRmV 10b	95° / 90°	9,3	200µm	



Taper needle (micro needle) ●

Micro-needle taper point






1/2 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
HRm 4	180°	4,0	70µm		HRm 8	180°	7,8	140µm	
HRm 6	180°	6,5	200µm						

3/8 circle





























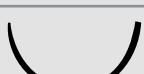
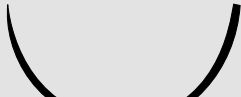
	angle	length mm	diameter microns			angle	length mm	diameter microns	
DRm 3	135°	3,8	50µm		DRm 6	135°	6,4	140µm	
DRm 4	135°	4,0	70µm		DRm 8	135°	7,9	140µm	
DRm 4s	135°	4,0	140µm		DRm 10b	135°	9,3	200µm	
DRm 5	135°	5,0	100µm						

Progressive curved

	angle	length mm	diameter microns			angle	length mm	diameter microns	
PRm 4	95° / 110°	4,0	70µm		PRm 6	100° / 95°	6,4	140µm	
PRm 5	100° / 90°	5,0	100µm						

Taper needle ●
 Round bodied needle

1/2 circle

HR 6		HR 22ss	
HR 8			
HR 10f		HR 26ffb	
HR 10			
HR 13ff		HR 26f	
HR 13f			
HR 13		HR 26fb	
HR 13b			
HR 13ss		HR 26	
HR 17f		HR 26b	
HR 17		HR 26s	
HR 17b			
HR 17s		HR 26ss	
HR 20		HR 30	
HR 20b			
HR 22		HR 30s	
HR 22b		HR 30ss	
HR 22s		HR 37	

B. BRAUN NEEDLES

Taper needle ●
Round bodied needle

1/2 circle

HR 37s



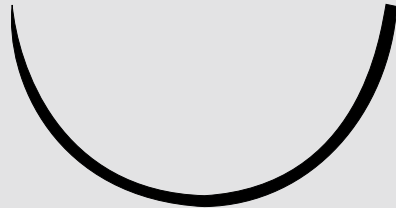
HR 48



HR 37ss



HR 60



HR 40



HR 65



HR 40s



HR 70



HR 40ss



HR 43



HR 76
















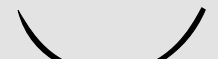










HR 43s












Taper needle ●
Round bodied needle

3/8 circle

DR 6		DR 13s	
DR 6b		DR 15	
DR 6s		DR 18	
DR 8f		DR 18b	
DR 8fb		DR 22	
DR 8		DR 22b	
DR 8b		DR 26	
DR 10f		DR 32	
DR 10fb		DR 39	
DR 10		DR 48	
DR 10b			
DR 12			
DR 13			
DR 13b			

5/8 circle

FR 13		FR 26s	
FR 17		FR 31	
FR 22		FR 36	
FR 26		FR 40	
FR 26b			

B. BRAUN NEEDLES

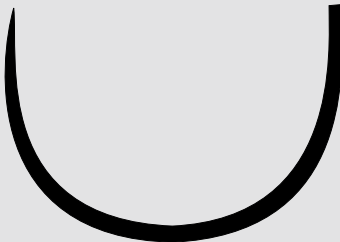
Taper needle ●
Round bodied needle

5/8 circle

FR 65



FR 110



Hook

JR 30



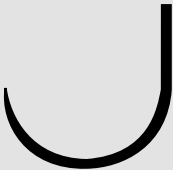
JR 36ss



JR 30s



JR 40s



Ski

SKR 19



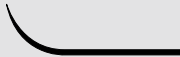
SKR 26



SKR 22



SKR 26b



Progressive curved

PR 13b



PR 24









PR 16




Taper needle ●
Round bodied needle

Straight


GR 19		GR 65	
GR 19b		GR 70	
GR 35		GR 75	
GR 51			

Taper needle with short cutting point (micro vascular) ☹
Round bodied micro vascular needle with short cutting point

3/8 circle







	angle	length mm	diameter microns	
DRCmV 10b	135°	9,3	200µm	

Progressive curved



	angle	length mm	diameter microns	
PRCmV 10b	95° / 90°	9,3	200µm	

Taper needle with short cutting point (micro) ☹
Round bodied micro needle with short cutting point


3/8 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
DRCm 3	135°	3,5	100µm		DRCm 6	135°	6,4	140µm	
DRCm 4	135°	4,2	140µm		DRCm 8	135°	7,9	140µm	
DRCm 5	135°	5,0	100µm		DRCm 10b	135°	9,3	200µm	

Progressive curved

	angle	length mm	diameter microns			angle	length mm	diameter microns	
PRCm 4	95° / 110°	4,0	70µm		PRCm 6	100° / 95°	6,4	140µm	
PRCm 5	100° / 90°	5,0	100µm		PRCm 10b	95° / 90°	9,3	200µm	

B. BRAUN NEEDLES

Taper needle with short cutting point 
Round bodied needle with short cutting point

1/2 circle

HRC 10



HRC 13



HRC 13b



HRC 17f



HRC 17



HRC 17b



HRC 20



HRC 20s



HRC 22



HRC 22b



HRC 26



HRC 26b



HRC 26s



HRC 30



HRC 30s



HRC 37



HRC 37s



HRC 37ss



HRC 40



HRC 40s



HRC 43




HRC 43s



HRC 43ss



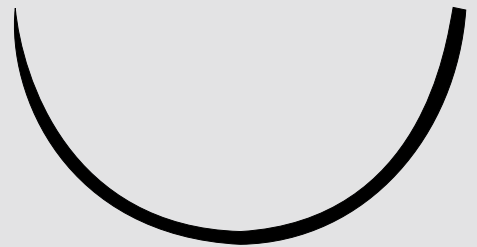
Taper needle with short cutting point 
 Round bodied needle with short cutting point

1/2 circle

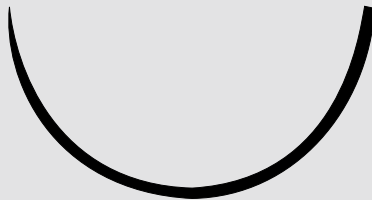
HRC 48



HRC 80



HRC 55



3/8 circle

DRC 6



DRC 13s



DRC 6b



DRC 15



DRC 8



DRC 18



DRC 8b



DRC 18b



DRC 10



DRC 22



DRC 10b



DRC 26



DRC 10s



DRC 12



DRC 13





DRC 13b




B. BRAUN NEEDLES

Taper needle with short cutting point ☺
Round bodied needle with short cutting point





5/8 circle

FRC 10  FRC 22 

Hook

JRC 30s 

Progressive curved

PRC 10 
PRC 13  PRC 24 
PRC 13b 

Trocar needle ⊕

Round bodied needle with trocar point

1/2 circle

HRT 13



HRT 17



HRT 20s



HRT 22



HRT 26



HRT 26s



HRT 30



HRT 30s



HRT 37



HRT 37s



HRT 40



HRT 40s



HRT 43



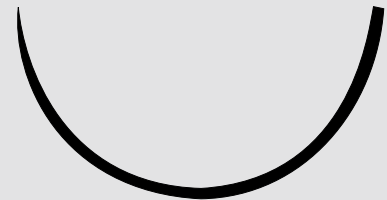
HRT 43s



HRT 48



HRT 55



HRT 80



B. BRAUN NEEDLES

Trocar needle ⊕
Round bodied needle with trocar point

3/8 circle

DRT 10



DRT 22



DRT 12



DRT 26



DRT 15



DRT 32



DRT 18

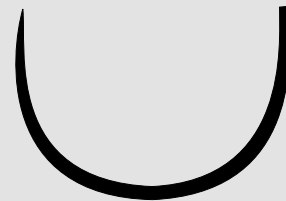


5/8 circle

FRT 17



FRT 65



Straight

GRT 25



GRT 40



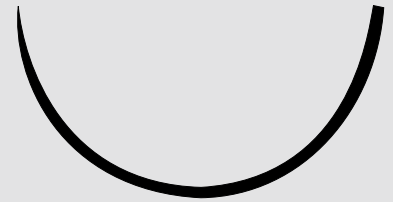
Taper needle with sternum point ▲
Round bodied needle with sternum point

1/2 circle

HRS 40



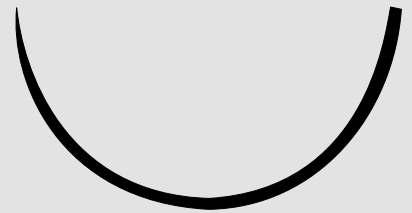
HRS 55



HRS 48



HRS 60



B. BRAUN NEEDLES

Taper needle with blunt point ●
Round bodied needle with blunt point

1/2 circle

HRN 30



HRN 35



HRN 40



HRN 45



HRN 48



HRN 50



HRN 50s



HRN 60



HRN 65



HRN 75



HRN 85



3/8 circle

DRN 16



DRN 25



DRN 64



Straight

GRN 12



Taper needle with protection point ●
Round bodied needle with protection point

1/2 circle

HRB 26



HRB 48



HRB 37s



HRB 65



HRB 40s



HRB 45



B. BRAUN NEEDLES

Reverse cutting needle ▼

1/2 circle

HS 9



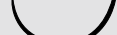
HS 15



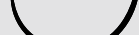
HS 17ss



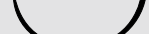
HS 18



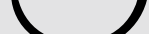
HS 21



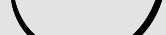
HS 23



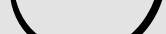
HS 23ss



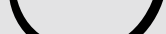
HS 26



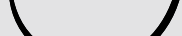
HS 26s



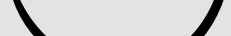
HS 26ss



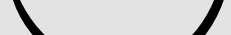
HS 30



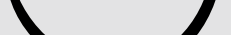
HS 37



HS 37s



HS 37ss



HS 40



HS 40s



HS 40ss



HS 48f



HS 48



HS 55



HS 60



HS 120



Reverse cutting needle ▼

3/8 circle

DS 9



DS 12



DS 16f



DS 16



DS 19f



DS 19



DS 24



DS 30



DS 35



DS 39



DS 45



DS 48



DS 60



DS 76



DS 80



DS 90



DS 100



5/8 circle

FS 25



B. BRAUN NEEDLES

Reverse cutting needle ▼

Straight

GS 13



GS 60



GS 40



GS 65



GS 45



GS 65v



GS 51



GS 75



GS 51v



GS 81



GS 60f



GS 90v



break-off

break-off

Reverse cutting needle with precision point ▼

1/2 circle

HSMP 7



HSMP 15



HSMP 9



HSMP 18



HSMP 12



3/8 circle

DSMP 6



DSMP 19



DSMP 7



DSMP 24



DSMP 9



DSMP 24s



DSMP 11



DSMP 13f



DSMP 30



DSMP 13



DSMP 35



DSMP 15



DSMP 16



DSMP 16s



DSMP 39



Progressive curved

PSMP 16



B. BRAUN NEEDLES

Lancet needle (micro) ▼

Micro-lancet needle

1/2 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
HLm 6	160°	5,6	150µm	☺	HLm 8	175°	8,0	200µm	☺
HLm 6s	175°	6,0	200µm	☺					

3/8 circle

	angle	length mm	diameter microns			angle	length mm	diameter microns	
DLm 4	135°	4,0	125µm	☺	DLm 6	140°	6,1	150µm	☺
DLm 5	140°	4,9	150µm	☺	DLm 6s	137°	6,6	200µm	☺

1/4 circle

	angle	length mm	diameter microns	
VLm 6s	97°	6,6	200µm	☺

1/8 circle

	angle	length mm	diameter microns	
SLm 6	44°	6,2	150µm	☺

Progressive curved

	angle	length mm	diameter microns	
PLm 5	90° / 50°	4,8	150µm	☺

Straight

	angle	length mm	diameter microns	
GLm 16	-	16,0	150µm	—

Lancet needle with micro point ▼

1/2 circle

HLM 6



HLM 8



1/4 circle

VLM 6



VLM 10



VLM 8



3/8 circle

DLM 11



SUTURES

Absorbable sutures

Non-absorbable sutures

Mechanical sutures

Sets

ABSORBABLE SUTURES

Novosyn® Quick

Novosyn®

Safil®

Monosyn® Quick

Monosyn®

MonoPlus®

Monomax®

ABSORBABLE SUTURES



Novosyn® QUICK

Absorbable sutures

DESCRIPTION

Novosyn® Quick is a polyglactin 910 braided suture with fast degradation profile.

Novosyn® Quick is intended for use in soft tissue approximation when only short-term wound support is required and when the rapid absorption of the suture would be beneficial.

INDICATION

- Gynaecology / Obstetrics (e. g. episiotomies)
- Skin closure (intracutaneous, subcutaneous)
- Urology
- Odontology (e. g. oral mucosa)
- Paediatric surgery
- Ligatures



ADVANTAGES

- Fast and predictable degradation profile
- Smooth surface
- High initial tensile strength
- Good knot security
- High flexibility and pliability
- Excellent handling properties
- Quick mass absorption

Novosyn® QUICK

Product overview

Structure Braided



Colour Undyed

Chemical composition Polyglactin 910

Coating Polyglactin 370 + calcium stearate

Origin Synthetic
























Sizes USP 6/0 (metric 0.7) - USP 2 (metric 5)

Type of absorption in approx. 42 days

Sterilisation Gamma-irradiation

Novosyn® QUICK

Needle-thread combination




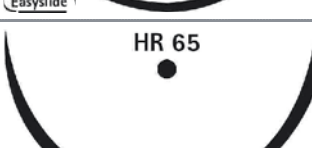




Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 13 	70 undyed	C3046001	C3046002						
 HR 13 + GS 51 	70 undyed			C3046755					
 HR 17 	70 undyed	C3046011	C3046012	C3046013	C3046014				
 HR 22 	45 70 undyed			C3046029	C3046024 C3046030	C3046031			
 HR 22s 	70 undyed					C3046131			
 HR 26 	45 70 undyed			C3046040	C3046051 C3046041	C3046042	C3046043		
 HR 26s 	70 undyed					C3046090	C3046091	C3046092	
 HR 30 	70 undyed				C3046046	C3046047	C3046048	C3046049	
 HR 30s 	70 undyed							C3046053	
 HR 37 	70 undyed					C3046005	C3046006		
 HR 37s 	45 90 140 undyed					C3046590 C3046595 C3046591	C3046596	C3046597	
 HR 40s 	70 90 undyed				C3046554	C3046467	C3046556	C3046557	C3046559 C3046558

C Box of 36 units

B Box of 24 units









G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 43 EasySlide	90 undyed					C3046170			
 HR 43s EasySlide	90 undyed						C3046506	C3046507	
 HR 48 EasySlide	90 undyed					C3046180	C3046661	C3046663	C3046665
 HR 65 EasySlide	90 undyed						B3046095		
5/8 circle round bodied needle									
 FR 26 EasySlide	90 undyed						C3046083		
 FR 36 EasySlide	90 undyed						C3046078	C3046079	
 FR 40 EasySlide	90 undyed					C3046018	C3046019	C3046020	
Straight round bodied needle									
 2xGR 51 EasySlide	45 undyed					C3046810			

Novosyn® QUICK

Needle-thread combination







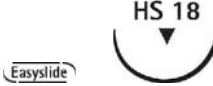











Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with short cutting point									
 HRC 37s Easyslide	90 undyed				C3046360	C3046651	C3046652	C3046653	
 HRC 40s Easyslide	90 undyed						C3046003		
 HRC 43 Easyslide	90 undyed					C3046664	C3046662	C3046365	
 HRC 43ss Easyslide	90 undyed						C3046670		
 HRC 48 Easyslide	90 undyed						C3046374	C3046375	
3/8 circle round bodied needle with short cutting point									
 DRC 12 Easyslide	70 undyed		C3046311						
 DRC 18 Easyslide	45 70 undyed			C3046325 C3046320	C3046321				
1/2 circle round bodied needle with blunt point									
 HRN 50 Easyslide	90 undyed					C3046601			

C Box of 36 units

B Box of 24 units

























G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with blunt point									
 HRN 75 	90 undyed							B3046605	
3/8 circle round bodied needle with blunt point									
 DRN 64 	90 undyed							B3046668	
1/2 circle reverse cutting needle									
 HS 15 	45 undyed			C3046204					
 HS 18 	45 70 undyed			C3046226	C3046227				
 HS 23 	45 70 undyed			C3046229	C3046230 C3046136	C3046231 C3046140			
 HS 26 	70 undyed					C3046142			
 HS 37s 	70 90 undyed					C3046240	C3046241	C3046442 C3046242	
 HS 40s 	90 undyed						C3046586	C3046587	
 HS 48 	90 undyed						C3046525		

Novosyn® QUICK

Needle-thread combination













Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle									
 DS 12 	70 undyed	C3046201	C3046202	C3046203					
 DS 16 	45 70 undyed		C3046212	C3046413 C3046213	C3046214				
 DS 19 	45 70 90 undyed		C3046219 C3046419	C3046220 C3046420 C3046223	C3046221 C3046421 C3046224	C3046422			
 DS 24 	45 70 90 undyed			C3046234	C3046535 C3046235	C3046536 C3046236 C3046636			
 DS 30 	90 undyed				C3046246	C3046247	C3046248		
 DS 39 	90 undyed				C3046454	C3046455			
5/8 circle reverse cutting needle									
 FS 25 	70 undyed				C3046262				
Straight reverse cutting needle									
 GS 13 	45 undyed			C3046208					
 GS 45 	70 undyed				C3046515				
 GS 51 	70 undyed			C3046271	C3046272	C3046273	C3046274		
 GS 60 	70 undyed				C3046409	C3046410			
3/8 circle reverse cutting needle with precision point									
 DSMP 7 	45 undyed	C3046612							

C Box of 36 units

B Box of 24 units

G Box of 12 units






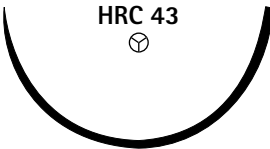
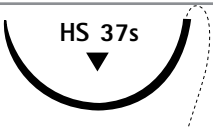




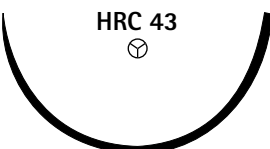

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle with precision point									
 DSMP 11 	45	C3046607	C3046610						
	70 undyed	C3046603							
 DSMP 13 	45		C3046619	C3046620					
	70 undyed								
 DSMP 16 	45		C3046611	C3046625					
	70 undyed			C3046685	C3046686				
 DSMP 19 	45			C3046629	C3046630	C3046631			
	70 undyed			C3046529	C3046530	C3046531			
 DSMP 24 	45				C3046154	C3046155			
	70 undyed				C3046657	C3046658			
 DSMP 35 	70				C3046148				
	undyed								

	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
Pre-cut sutures									
3 threads of 45 cm	3 x 45 undyed			C3037625	C3037626	C3037627	C3037628		
6 threads of 45 cm	6 x 45 undyed		C3037004	C3037005	C3037006	B3037007	B3037008		
2 threads of 70 cm	2 x 70 undyed		C3037024		C3037026	C3037027	C3037028		
5 threads of 70 cm	5 x 70 undyed		C3037444		C3037446				
1 thread of 150 cm	1 x 150 undyed				C3037706	C3037692	C3037694	C3037693	

Episio-Set Novosyn® Quick

FOR EPISIOTOMIES

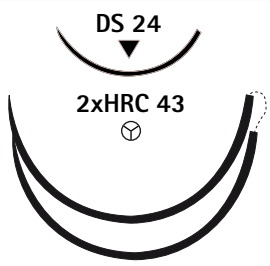
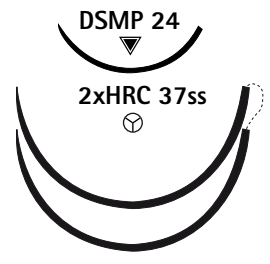
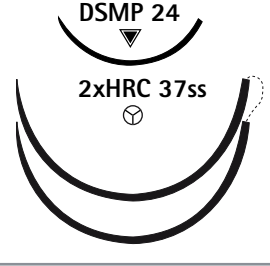
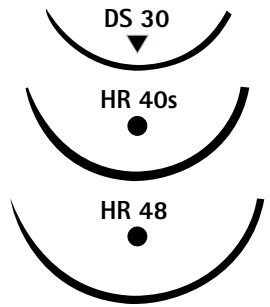
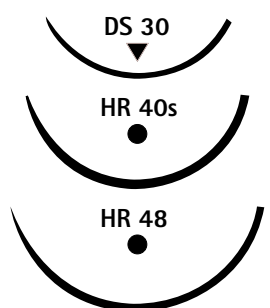
Novosyn® Quick	Length	USP (metric)	Units / box	Catalog No.
 	70 cm 90 cm	2/0 (3) 0 (3.5)	36 units	C3046918
 	70 cm 90 cm	2/0 (3) 0 (3.5)	24 units	B3046106
 	70 cm 90 cm	2/0 (3) 0 (3.5)	36 units	C3046910
 	140 cm 140 cm	2/0 (3) 2/0 (3)	36 units	C3046913
 	140 cm 140 cm	3/0 (2) 3/0 (2)	36 units	C3046920
  	70 cm 90 cm 90 cm	2/0 (3) 0 (3.5) 1 (4)	24 units	B3046909

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Novosyn® Quick	Length	USP (metric)	Units / box	Catalogue No.
 <p>DS 24 2xHRC 43</p>	70 cm	2/0 (3)	24 units	B3046911
	90 cm	2/0 (3)		
 <p>DSMP 24 2xHRC 37ss</p>	70 cm	2/0 (3)	24 units	B3046912
	90 cm	1 (4)		
 <p>DSMP 24 2xHRC 37ss</p>	70 cm	2/0 (3)	24 units	B3046916
	90 cm	0 (3.5)		
 <p>DS 30 HR 40s HR 48</p>	70 cm	0 (3.5)	24 units	B3046921
	70 cm	0 (3.5)		
	70 cm	0 (3.5)		
 <p>DS 30 HR 40s HR 48</p>	70 cm	2/0 (3)	24 units	B3046922
	70 cm	2/0 (3)		
	70 cm	2/0 (3)		

Novosyn®

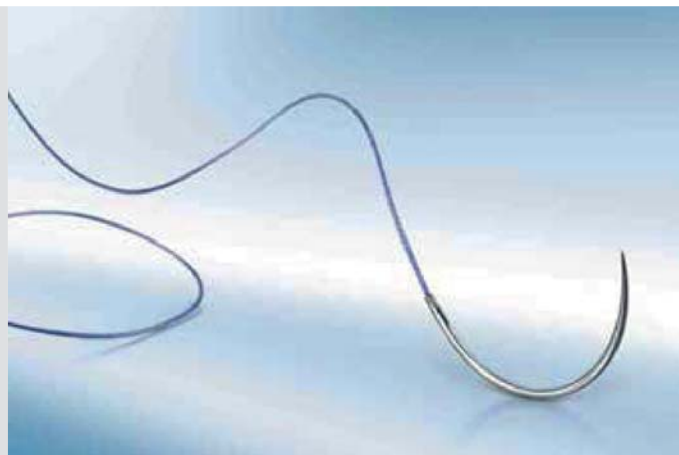
Absorbable sutures

DESCRIPTION

Novosyn® is a mid-term absorbable braided and coated synthetic suture made of polyglactin 910. Novosyn® degrades by hydrolysis and provides a predictable and reliable absorption.

INDICATION

- Gastrointestinal surgery
- Gynecology / Obstetrics
- Orthopaedics
- Ophthalmic surgery
- Urology
- Skin closure (intracutaneous, subcutaneous)
- Ligatures



ADVANTAGES

- Smooth knot run-down
- Gentle knot repositioning
- High knot holding capacity
- Minimized inflammatory reaction

Novosyn®

Product overview

Structure

Braided



Colour

Violet or undyed

Chemical composition

Polyglactin 910

Coating

Polyglactin 370 + calcium stearate

Origin

Synthetic

Sizes

USP 8/0 (metric 0.4) to USP 2 (metric 5)

Type of absorption

By hydrolysis














Mass absorption





























56 up to 70 days

Sterilisation



















Ethylene oxide

Needle-thread combination















Needle		Thread		USP (metric)							
angle	length mm	diameter microns	length cm colour	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle round bodied needle micro needle											
135°	DRm 6 	140µm	20	G0068145							
			35	G0068146							
			violet								
135°	DRm 8 	140µm	30	G0068796							
			violet								
1/2 circle lancet micro needle											
	2xHLm 6 	150µm	30	G0068715							
			violet								
	2xHLm 8 	200µm	45			G0068966	G0068967	G0068968			
			violet								
			45		G0069740						
		200µm	30	G0068740							
			violet		G0068741						
			violet								
3/8 circle lancet micro needle											
140°	2xDLm 5 	150µm	30	G0068699							
			violet								
140°	DLm 6 	150µm	15	G0068615							
			30	G0068724							
			violet								
140°	2xDLm 6 	150µm	30	G0068702							
			45	G0068701							
			violet								
137°	DLm 6s 	200µm	20		G0068609						
			30	G0068620	G0068621						
			violet								
137°	2xDLm 6s 	200µm	30	G0068710	G0068712						
			38		G0068709						
			45	G0068713	G0068711						
			violet								
3/8 circle lancet needle with micro-point											
135°			2xDLm 11 	45				C0068743			
				violet							
1/4 circle lancet needle with micro-point											
			2xVLM 6 	30			G0068616				
				45			G0068737				
			violet								
















Needle length mm	Thread length cm colour	USP (metric)								
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
1/4 circle lancet needle with micro-point										
 VLM 8 	45			G0068778						
	70 violet			G0068299						
 2xVLM 8 	20			G0068733	G0068748					
	45 violet			G0068734	G0068735	G0068736				
 2xVLM 8 	45 undyed			G0069734	G0069735					
	 VLM 10 	45 violet			G0068718					
 2xVLM 10 	45 violet			G0068738	G0068739					
1/2 circle round bodied needle										
 HR 6 	30 violet	C0068148	C0068149							
 HR 10 	70 violet			C0068002	C0068003					
	45 undyed			C0069802						
 HR 13ff 	70 undyed				C0069025	C0069024				
 HR 13 	45			C0068449	C0068450	C0068451	C0068009			
	70 90 violet			C0068006	C0068007	C0068008 C0068452				
 HR 13 	45 70 undyed			C0069405	C0069407 C0069007	C0069408 C0069008				
	 HR 13 	4 x 45 8 x 45 violet				C0088718 M0088190	C0088719 M0088191			
 HR 13ss 	45						C0088320	C0088321	C0088322	
	70 violet						C0068120	C0068110	C0068111	
 HR 13ss 	70 undyed							C0069758		
 HR 17f 	70 violet					C0068888				

Needle-thread combination























Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
1/2 circle round bodied needle									
 HR 17 	45								
	70 90 violet			C0068011	C0068012	C0088340 C0068013 C0068853	C0068014 C0068854	C0068015 C0068855	C0068016
	70 undyed				C0069012	C0069013	C0069014	C0069015	
 HR 17b 	70 violet				C0068144	C0068147	C0068152		
 HR 17 	4 x 45 8 x 45 4 x 70 8 x 70 violet					C0088713 M0088185 C0088613 M0088255	C0088714 M0088187 C0088614		
	4 x 45 8 x 45 undyed					C0089713 M0089020			
 HR 17b 	8 x 45 violet							M0068153	
 2xHR 17 	70 90 violet				C0068869	C0068870	C0068904		
 2xHR 17b 	70 violet				C0068163	C0068176			
 HR 17s 	45 70 violet					C0068113	C0088335 C0068114	C0068115	C0068116
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
 HR 17s 	70 violet							C0068118	
 HR 20 	70 90 violet			C0068765	C0068766 C0068763	C0068767			

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle round bodied needle										
 	70 violet								C0068033	
	20 45 70 4 x 70 90 120 violet		C0068039	C0068040	C0068041 C0088647 C0068540	C0068079 C0068018 C0068109 C0068042 C0068541 C0068542 C0068088 C0068067	C0068043	C0068044	C0068034 C0068545	
	70 90 undyed			C0069040	C0069041 C0069541	C0069042 C0069540	C0069043 C0069543			
										
 	70 violet			C0068196	C0068198	C0068209				
	4 x 45 8 x 45 4 x 70 8 x 70 violet			C0088740 M0088170 C0088640 M0088237	C0088741 M0088171 C0088641 M0088239	C0088742 M0088172 C0088642 M0088241				
	4 x 45 8 x 45 4 x 70 undyed				C0089741 M0089116	M0089117 B0089642				
	 take off									
 	8 x 45 8 x 70 violet				M0068200 M0068201					
 	70 90 150 violet			C0068900	C0068901	C0068902 C0068714	C0068907			
 	70 90 violet				C0068210 C0068216	C0068217				

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 26s	45								
	70								
	8 x 70								
	90								
 HR 26s	violet								
	70								
 HR 26s	4 x 45								
	8 x 45								
	4 x 70								
	8 x 70								
 HR 26s	violet								
	take off								
 HR 26ss	70								
	90								
	violet								
 HR 26ss	4 x 45								
	8 x 45								
	violet								
 HR 26ss	take off								
 HR 30	70								
	90								
 HR 30	violet								
	70								
 HR 30	4 x 45								
	4 x 70								
	8 x 70								
 HR 30	violet								
	take off								
 2xHR 30	70								
	90								
	violet								
 HR 30s	70								
	90								
 HR 30s	violet								
 HR 30ss	70								
	90								
	violet								

Needle-thread combination









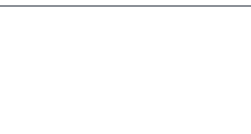

Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle round bodied needle										
 HR 30ss 	4 x 70									
	8 x 70 violet									B0088803 M0088225
 HR 37 	70				C0068050	C0068051	C0068052	C0068053	C0068054	
	90 violet				C0068550	C0068551	C0068552	C0068553	B0088601	
 HR 37 	70				C0069050	C0069051	C0069052			
	90 undyed					C0069585				
 HR 37 	4 x 45				C0088769	C0088770				
	8 x 45 4 x 70 8 x 70 violet				M0088145 C0088669 M0088218	M0088146 B0088670 M0088219		B0088671		
 HR 37 	4 x 45					C0089001				
	undyed									
 HR 37 	150									
	violet					C0068993				
 HR 37s 	45						C0068021			
	70				C0068094	C0068095	C0068096	C0068097	C0068098	
 HR 37s 	90			C0068953	C0068955	C0068595	C0068956	C0068597	B0068598	
	4 x 90 150 violet						B0088652	B0088653		
 HR 37s 	70				C0069099	C0069095	C0069096	C0069097	C0069098	
	90 140 undyed				C0069594 B0069411	C0069595	C0069596	C0069597	B0069598	
 HR 37s 	4 x 45				C0088794	C0088795	B0088796	B0088797	B0088798	
	8 x 45 4 x 70 8 x 70 violet				M0088135	M0088136 B0088695 M0088212	M0088137 C0088696 M0088213	M0088139 B0088697 M0088214	M0088140 B0088698 M0088215	
 HR 37s 	4 x 45				C0089794	C0089795	B0089796	B0089797		
	8 x 45 4 x 70 8 x 70 undyed				M0089130	M0089131	M0089132 B0089696 M0089504	M0089133 B0089697 M0089505		

C Box of 36 units


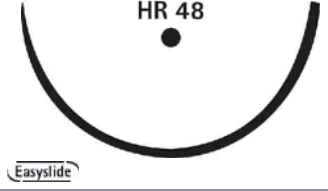

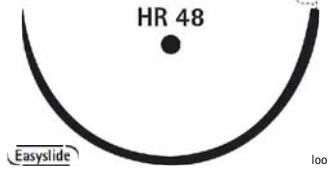


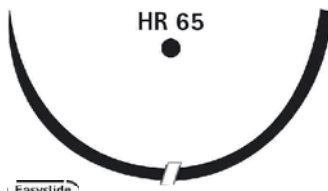
B Box of 24 units

G Box of 12 units

























M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)									
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)		
1/2 circle round bodied needle											
 HR 37ss Easyslide	70						C0068121	C0068122	C0068123		
	90 violet								C0068576	C0068577	B0068655
 HR 37ss Easyslide take off	4 x 45							B0088806	B0088807		
	8 x 45 4 x 70 violet							M0088131	M0088132	B0088707	
 HR 40 Easyslide	70						C0068381	C0068175	C0068457		
	90 violet							C0068569	C0068571	B0068661	
 HR 40s Easyslide	70				C0068059	C0068055	C0068056	C0068057	C0068058		
	90 120 violet				C0068466	C0068467	C0068556	C0068557	B0068558		
 HR 40s Easyslide take off	70					C0069055	C0069058	C0069057			
	90 undyed				C0069466	C0069467	C0069559	C0069557	B0069558		
 HR 40s Easyslide take off	4 x 45						M0088115	M0088116	M0088117	M0088118	
	8 x 45 4 x 70 8 x 70 violet								B0088667	B0088668	M0088207
 HR 40s Easyslide loop	150							B0068355	B0068350		
	violet										
 HR 43 Easyslide	70							C0068946	C0068947	C0068948	
	90 violet								C0068847	B0068848	
 HR 43 Easyslide take off	70						C0069945			C0069948	
	undyed										
 HR 43 Easyslide take off	4 x 45								B0088781	B0088782	
	8 x 45 violet								M0088110	M0088111	

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 43s Easyslide	70 violet							C0068169	C0068070
	70 90 120 violet				C0068099 C0068564	C0068060 C0068560	C0068061 C0068561	C0068062 C0068562	C0068063 B0068563 B0068779
 HR 48 Easyslide	70 90 undyed				C0069059 C0069565	C0069564	C0069561	C0069562	C0069063 B0069563
	4 x 45 8 x 45 4 x 70 8 x 70 violet						B0088785 M0088101	B0088786 M0088102	B0088787 M0088103 B0088687
 HR 48 Easyslide take off	4 x 45 8 x 45 undyed						B0089786 M0089140		
	 HR 48 Easyslide loop	150 violet					B0068158	B0068119	
 HR 60 Easyslide	70 violet					C0068064	C0068065	C0068066	C0068068
 HR 60 Easyslide loop	150 violet							B0068380	
 HR 65 Easyslide	70 4 x 70 90 150 violet						B0068071	B0068072 B0088655 B0068639 B0068939	B0088656 C0068640 B0068940
	70 undyed						B0069064		

Needle-thread combination





















Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle round bodied needle									
 DR 15 	45				C0068137				
	70 violet				C0068107				
 DR 18 	45				C0068138				
	70 violet			C0068155	C0068150	C0068151			
 DR 18 	70 undyed					C0069151			
 DR 18b 	20 violet				C0068277				
 DR 22 	70 violet				C0068159	C0068160	C0068161		
 DR 22 b 	70 violet				C0068108	C0068117			
 DR 26 	70					C0068164	C0068165		
	120 violet					C0068179			
 DR 32 	70 violet					C0068170	C0068171	C0068172	C0068173
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
 DR 32 	70								C0068168
	90 violet				C0068565	C0068566	C0068567	C0068568	
 DR 40 	70 violet							C0068409	
 DR 48 	90 violet							B0068437	
 DR 48  <small>take off</small>	4 x 45 violet								B0088010

C Box of 36 units





















B Box of 24 units





















G Box of 12 units

M Box of 6 units










Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
5/8 circle round bodied needle									
 FR 26 	70				C0068414	C0068415	C0068416	C0068417	
	90 violet					C0068775	C0068810		
	70 undyed					C0069415			
 FR 26b 	70 violet				C0068027	C0068080	C0068082	C0068104	
 2xFR 26 	70			C0068813	C0068818	C0068815	C0068817		
	90 violet					C0068820	C0068828		
 FR 26s 	70 violet							C0068428	
 2xFR 31 	70 violet				C0068717				
 FR 36 	70				C0068424	C0068425	C0068426	C0068427	
	90 8 x 90 violet						C0068860	M0088001	
 2xFR 36 	90 violet						C0068861		
 FR 40 	70					C0068489	C0068490	C0068491	
	90 violet						C0068866	C0068867	
Hook round bodied needle									
 JR 30 	70 violet					C0068475			
 JR 30s 	70 violet							C0068481	

Needle-thread combination



















Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Hook round bodied needle									
 JR 36ss 	70 violet							C0068408	
 JR 40s 	70 120 violet							B0068197	C0068478
Ski Needle round bodied needle									
 SKR 19 	20 45 120 violet			C0068752	C0068753 C0068154	C0068754			
 SKR 26 	20 30 120 violet				C0068746	C0068749 C0068629		C0068781	
 SKR 26b 	20 120 violet				C0068286 C0068273	C0068287			
 SKR 26  loop	40 violet				C0068745				
Progressive curved round bodied needle									
 PR 13b 	45 violet		C0068218						
 PR 16 	45 undyed			C0069135					
Straight round bodied needle									
 GR 19 	20 35 70 violet			C0068281 C0068944	C0068284				C0068695
 GR 19b 	20 violet			C0068288	C0068289				

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Straight round bodied needle									
 2xGR 19 	35 violet			C0068943					
 GR 51 	70 90 violet				C0068405		C0068185		
 GR 65 	90 violet						C0068994		
1/2 circle round bodied needle with short cutting point									
 HRC 17 	70 90 violet		C0068312	C0068313 C0068083	C0068314	C0068315	C0068316	C0068081	
	45 70 undyed		C0069309 C0069339	C0069340	C0069341				
 HRC 17  take off	4 x 45 violet					C0088025			
 HRC 20s 	70 violet					C0068785			
 HRC 22 	20 70 120 violet			C0068325	C0068327 C0068326 C0068310	C0068328 C0068331 C0068311	C0068332	C0068333	
	70 undyed							C0069475	
 HRC 26 	20 70 120 violet			C0068694	C0068334 C0068335 C0068339	C0068336 C0068345	C0068343	C0068698	
	90 undyed						C0069778		
 HRC 26  take off	4 x 45 8 x 45 4 x 70 violet				B0088065	C0088036 M0088037 C0088066			
 HRC 26s 	70 violet					C0068441	C0068721	C0068444	
	70 undyed							C0069444	

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with short cutting point									
 Easyslide	70 violet				C0068373	C0068372	C0068371	C0068374	
 Easyslide	70 90 violet						C0068716	C0068375	
 Easyslide	70 4 x 70 90 violet				C0068360	C0068361	C0068362	C0068363 B0068124	
	90 undyed				C0068139	C0068140	C0068141	C0068142	B0068143
 Easyslide	4 x 45 violet						C0088285		
 Easyslide	150 violet						C0068187		
 Easyslide	70 90 violet				C0068841	C0068842	C0068843	C0068844	
	70 undyed				C0068893	C0068894	C0068895	C0068896	B0068897 C0069878
 Easyslide	70 90 violet					C0068908	C0068909	C0068951	
	70 90 undyed					C0068949	B0068950		
 Easyslide	70 violet							C0068026	
	70 90 violet						C0068958	C0068959	C0068960
 Easyslide	70 undyed							C0069958	

Needle-thread combination


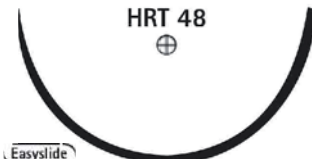



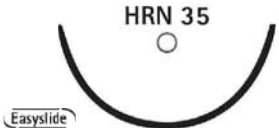


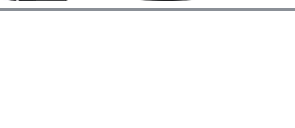
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle round bodied needle with short cutting point									
 DRC 22 	20					C0068830			
	70 violet					C0068827			
 DRC 26 	20					C0068833			
	120 violet					C0068836			
5/8 circle round bodied needle with short cutting point									
 FRC 10 	30 violet	C0068798							
Hook round bodied needle with short cutting point									
 JRC 30s 	70						C0068477	C0068476	
	120 violet					C0068193	C0068194		
 2xJRC 30s 	45						C0068479		
	60 violet					C0068483			
Progressive curved round bodied needle with short cutting point									
 PRC 24 	120 violet					C0068807			
1/2 circle round bodied needle with trocar point									
 HRT 37 	90 violet								B0068654
	90 undyed								B0069665
 HRT 37s 	90 violet								B0068535
 HRT 43 	150 violet							B0068346	

C Box of 36 units






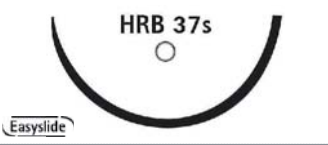

B Box of 24 units

G Box of 12 units











M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle round bodied needle with trocar point										
	90 violet									B0068473
	90 violet									B0068503
5/8 circle round bodied needle with trocar point										
	70 undyed			C0069755						
1/2 circle round bodied needle with blunt point										
	70 violet				C0068638					
	70 violet					C0068517	C0068518	C0068608		
	90 violet					C0068617	C0068618	C0068619		
	70 undyed					C0069549				
	90 undyed					C0069550				
	4 x 45 8 x 45 undyed							B0089750 M0089157	B0089800	
	70 violet							C0068634	C0068635	
	90 violet							C0068636	C0068637	
	90 violet								C0068647	B0068648

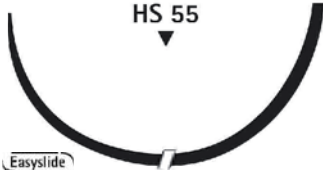
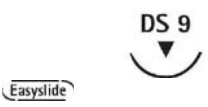
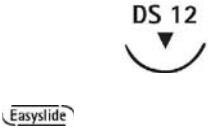

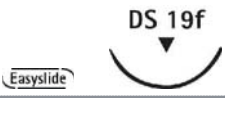
Needle-thread combination























Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with blunt point									
 HRN 50 Easyslide	90 violet						C0068663	C0068664	
	90 undyed						C0069704		
 HRN 50s Easyslide	90 violet							C0068228	B0068229
	90 violet							B0068674	B0068675
 HRN 65 Easyslide	90 violet								
	90 violet								
3/8 circle round bodied needle with blunt point									
 DRN 64 Easyslide	90 violet						B0068607	B0068605	B0068614
	90 violet								
1/2 circle round bodied needle with protection point									
 HRB 26 Easyslide take off	8 x 45 undyed				M0089828				
	90 undyed						C0069822		
 HRB 37s Easyslide	90 undyed								
	90 undyed							C0069772	
 HRB 48 Easyslide	90 undyed								
	90 undyed								

Needle-thread combination



































Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle reverse cutting needle										
 HS 26s	70				C0068641	C0068290	C0068291	C0068292		
	90 violet					C0068440				
 HS 26s	70 undyed					C0069290	C0069084	C0069293		
	8 x 45 violet					M0088081				
 HS 26s take off	4 x 45 undyed				C0089894 M0089175	C0089895 M0089176				
	8 x 45 undyed									
 HS 26ss	70 violet						C0068975		C0068084	
	70 undyed							C0069083		
 HS 26ss take off	4 x 45 violet								B0088907	
	70 violet						C0068251	C0068252	C0068253 C0068493	
 HS 30	70 undyed						C0069450	C0069451		
	90 violet									
 HS 37	90 violet				C0068494	C0068495	C0068496	C0068497	B0068498	
	70 undyed						C0069461 C0069294	C0069295	C0069296	B0069297
	90 undyed									
 HS 37s	70 violet			C0068593	C0068293 C0068594	C0068294 C0068596	C0068296 C0068582	C0068297 C0068583	C0068298 B0068599	
	70 undyed					C0069460	C0069195 C0069187	C0069196	C0069197	
	90 undyed									
 HS 37s take off	4 x 45 violet								B0088705	
	150 violet									
 HS 37s + HR 37s	150 violet								B0068278	























Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
 HS 55 Easyslide	70 violet								C0068227
3/8 circle reverse cutting needle									
 DS 9 Easyslide	45 violet	C0068202							
	45 undyed	C0069205							
 DS 12 Easyslide	45 70 violet	C0068206 C0068506	C0068207 C0068507	C0068208 C0068508					
	45 70 undyed	C0069206 C0069330	C0069207 C0069331	C0069208					
	45 violet	C0068706	C0068769						
	45 70 90 violet		C0068212 C0068512 C0068511	C0068213 C0068513	C0068214 C0068514				
 DS 16 Easyslide	45 70 undyed		C0069212	C0069213 C0069513	C0069214 C0069302				
	45 undyed			C0069217					
 DS 19f Easyslide	45 70 90 violet		C0068219 C0068419	C0068220 C0068420 C0068224	C0068221 C0068421	C0068422			
	45 70 90 undyed		C0069219 C0069419	C0069220 C0069420 C0069223	C0069221 C0069421	C0069422			





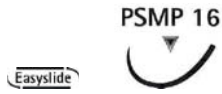

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle									
 DS 24 	45			C0068536					
	70 violet		C0068232	C0068234	C0068235	C0068236	C0068237		
 DS 24 	45			C0069534	C0069535				
	70 90 undyed			C0069234	C0069235	C0069236 C0069232	C0069237		
 DS 24 	4 x 45 8 x 45 violet				C0088953 M0088192				
	take off								
 DS 30 	70 violet				C0068246	C0068247	C0068248	C0068249	C0068245
	70 90 undyed				C0069246	C0069247	C0069248 C0069148		
 DS 35 	70 violet				C0068255	C0068256	C0068257	C0068258	C0068259
	70 undyed				C0069255	C0069256			
 DS 39 	70 90 violet						C0068282	C0068283 C0068240	
 DS 45 	70 violet					C0068379			
 DS 48 	70 violet							C0068453	
	70 undyed								C0069282
5/8 circle reverse cutting needle									
 FS 25 	70 undyed				C0069622				
Straight reverse cutting needle									
 GS 13 	45 violet			C0068211					
 2xGS 13 	45 violet			C0068920					

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)																																																																
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)																																																									
Straight reverse cutting needle																																																																		
 GS 51 	70 violet				C0068272	C0068274	C0068275																																																											
	70 undyed			C0069271	C0069272	C0069273																																																												
 GS 60f 	70 undyed				C0069266																																																													
 GS 60 	70 violet			C0068264	C0068265	C0068266																																																												
	45 70 undyed			C0069280	C0069265	C0069267																																																												
 GS 75 	70 violet						G0068923	G0068924																																																										
1/2 circle reverse cutting needle with precision point																																																																		
 HSMP 9 	45 undyed		C0069591	G0069593																																																														
<table border="1"> <thead> <tr> <th rowspan="2">Needle length mm</th> <th rowspan="2">Thread length cm colour</th> <th colspan="8">USP (metric)</th> </tr> <tr> <th>8/0 (0.4)</th> <th>7/0 (0.5)</th> <th>6/0 (0.7)</th> <th>5/0 (1)</th> <th>4/0 (1.5)</th> <th>3/0 (2)</th> <th>2/0 (3)</th> <th>0 (3.5)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">  2xHSMP 9  </td> <td>35</td> <td>C0068673</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>45 violet</td> <td></td> <td></td> <td>C0068758</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>  HSMP 12  </td> <td>45 undyed</td> <td></td> <td></td> <td>C0069606</td> <td>G0069632</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>  HSMP 15  </td> <td>45 undyed</td> <td></td> <td></td> <td></td> <td>G0069635</td> <td>C0069636</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Needle length mm	Thread length cm colour	USP (metric)								8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	 2xHSMP 9 	35	C0068673								45 violet			C0068758						 HSMP 12 	45 undyed			C0069606	G0069632					 HSMP 15 	45 undyed				G0069635	C0069636			
Needle length mm	Thread length cm colour	USP (metric)																																																																
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)																																																									
 2xHSMP 9 	35	C0068673																																																																
	45 violet			C0068758																																																														
 HSMP 12 	45 undyed			C0069606	G0069632																																																													
 HSMP 15 	45 undyed				G0069635	C0069636																																																												
3/8 circle reverse cutting needle with precision point																																																																		
 2xDSMP 6 	45 violet		G0068850																																																															
 DSMP 7 	70 violet		C0068407																																																															
	45 undyed			C0069601																																																														
 2xDSMP 7 	45 violet			C0068708																																																														
	45 undyed			C0069709																																																														

Needle length mm	Thread length cm colour	USP (metric)								
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
3/8 circle reverse cutting needle with precision point										
DSMP 11 	45		C0068684	C0068685						
	70 violet			C0068688						
 DSMP 11	45 undyed			C0069607	C0069608					
	DSMP 11 	45 violet		C0068726						
 DSMP 11	45 undyed			G0069807						
	DSMP 13f 	45 undyed		C0069617						
 DSMP 13f	DSMP 13 	45 70 violet		C0068622	C0068623 C0068723	C0068624				
	 DSMP 13	45 undyed		C0069618	C0069619	C0069620				
 DSMP 13	DSMP 13 	45 70 violet			C0068162					
	 DSMP 13	45 undyed			C0069715	C0069716				
 DSMP 16	DSMP 16 	45 70 violet		C0068530	C0068538 C0068782	C0068531 C0068783	C0068529 C0068784			
	 DSMP 16	45 70 undyed		C0069526	C0069525 C0069325	C0069524 C0069326	C0069599 C0069327			
 DSMP 19	DSMP 19 	45 70 violet			C0068626 C0068528	C0068630 C0068823	C0068631 C0068824			
	 DSMP 19	45 70 undyed			C0069628 C0069528	C0069629 C0069529	C0069630 C0069530	C0069531		
 DSMP 24	DSMP 24 	45 70 violet					C0068025 C0068864	C0068022 C0068865		
	 DSMP 24	45 70 90 undyed				C0069655 C0069555	C0069656 C0069556 C0069572	C0069657 C0069554		
 DSMP 30	DSMP 30 	70 violet					C0068669	C0068670	C0068671	

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle reverse cutting needle with precision point									
 DSMP 35 	70 violet								C0068690
	70 violet						C0068659	C0068660	
 DSMP 39 	70 undyed						C0069659	C0069660	
Progressive curved reverse cutting needle with precision point									
 PSMP 16 	45 undyed				C0069602	C0069600	C0069100		

	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
Pre-cut sutures									
3 threads of 45 cm	3 x 45 violet	C0058623	C0058624	C0058625	C0058626	C0058627	C0058629	C0058630	
6 threads of 45 cm	6 x 45 violet	C0058643	C0058644	C0058645	C0058646	B0058647	B0058649	B0058650	
12 threads of 45 cm	12 x 45 violet		C0058664	C0058665	C0058666	B0058667	B0058669	B0058670	
10 threads of 60 cm	10 x 60 violet	C0058180	C0058181	C0058182	C0058183	B0058567	B0058568		
2 threads of 70 cm	2 x 70 violet		C0058404	C0058405	C0058406	C0058407	C0058409	C0058410	
5 threads of 70 cm	5 x 70 violet		C0058444	C0058445	C0058446	C0058447	B0058449	B0058450	
4 threads of 90 cm	4 x 90 violet				C0058064				
5 threads of 90 cm	5 x 90 violet			C0058455	C0058456	C0058457			
1 thread of 140 cm	1 x 140 violet	C0058203	C0058204	C0058205	C0058207	C0058208	C0058209	C0058210	
1 thread of 150 cm	1 x 150 violet		B0058704	B0058705	B0058706	B0058707	B0058709	B0058708	
3 threads of 45 cm	3 x 45 undyed		C0059624	C0059625	C0059626	C0059627	C0059629	C0059630	
6 threads of 45 cm	6 x 45 undyed		C0059644	C0059645	C0059646	B0059647	B0059649		
12 threads of 45 cm	12 x 45 undyed			C0059665	C0059666	B0059667	B0059669	B0059670	
2 threads of 70 cm	2 x 70 undyed			C0059405			C0059409	C0059410	
5 threads of 70 cm	5 x 70 undyed			C0059445	C0059446	C0059447	B0059449	B0059450	
1 thread of 140 cm	1 x 140 undyed	C0059616		C0059205	C0059207	C0059208			
Ligature reels									
1 thread of 250 cm	1 x 250 violet			G0058715	G0058716	G0058717	G0058719	G0058720	
1 thread of 250 cm	1 x 250 undyed			G0059715	G0059716	G0059717			

Safil®

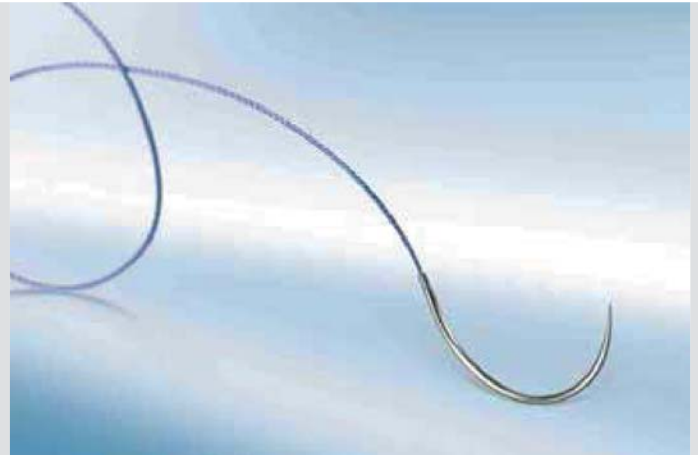
Absorbable sutures

DESCRIPTION

Safil® is a mid-term braided and coated synthetic absorbable suture made of polyglycolic acid. Safil® degrades by hydrolysis and provides predictable and reliable absorption.

INDICATION

- Gastrointestinal
- Gynaecology
- Urology
- Skin closure (intracutaneous, subcutaneous)
- Ophthalmic surgery
- Ligatures



ADVANTAGES












- High tensile strength
- Smooth passage through tissue
- Easy handling





















Safil®

Product overview

Structure	Braided USP 8/0 - 2 or monofilament USP 10/0 - 9/0
Colour	Violet or undyed
Chemical composition	Polyglycolic acid
Coating	Glyconate
Origin	Synthetic
Sizes	USP 10/0 (metric 0.2) to USP 2 (metric 5)
Type of absorption	By hydrolysis
Mass absorption	60 up to 90 days
Sterilisation	Ethylene oxide





















Needle-thread combination









angle	Needle		Thread length cm colour	USP (metric)							
	length mm	diameter microns		10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)
3/8 circle round bodied needle micro needle											
135°	DRm 5 	100µm	15 violet	G1048140	G1048141						
135°	DRm 6 	140µm	15 20 35 violet		G1048144	G1048145 G1048146					
1/2 circle lancet micro needle											
160°	2xHLm 6 	150µm	30 violet	G1048716		G1048715					
175°	2xHLm 6s 	200µm	45 violet				G1048950				
175°	2xHLm 8 	200µm	45 violet				G1048741				
3/8 circle lancet micro needle											
140°	2xDLm 5 	150µm	30 violet			G1048699					
140°	DLm 6 	150µm	8 10 15 30 violet	G1048610 G1048703	G1048611		G1048615 G1048724				
140°	2xDLm 6 	150µm	30 45 violet	G1048700	G1048705	G1048702 G1048701					
137°	DLm 6s 	200µm	30 violet			G1048620	G1048621				
137°	2xDLm 6s 	200µm	30 45 violet	G1048717	G1048714	G1048710 G1048713	G1048712 G1048711				
1/4 circle lancet micro needle											
97°	VLm 6s 	200µm	45 violet				G1048612				
1/8 circle lancet micro needle											
44°	SLm 6 	150µm	8 violet	G1048600	G1048601						

Needle length mm	Thread length cm colour	USP (metric)							
		10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)
1/2 circle lancet needle with micro-point									
 2xHLM 8 	45 violet					G1048966	G1048967	G1048968	
1/4 circle lancet needle with micro-point									
 2xVLM 6 	30 45 violet				C1048732	G1048616 G1048737			
 VLM 8 	45 violet					G1048778			
 2xVLM 8 	20 30 45 violet					G1048733 G1048992 G1048734	G1048735	G1048736	
	30 45 undyed					G1049763 G1049734	G1049735		
 VLM 10 	45 violet					G1048509			
 2xVLM 10 	45 violet					G1048738			
1/2 circle round bodied needle									
 HR 6 	45 violet				C1048020				
 HR 10 	70 violet					C1048002	C1048003		
 HR 13 	45 70 violet					C1048449 C1048006	C1048450 C1048007	C1048451 C1048008	C1048009
	45 70 undyed					C1049405	C1049407 C1049007	C1049008	
 HR 13 	4 x 45 8 x 45 violet							C1048719 M1078191	























take off








Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 13ss 	70 violet					C1048110	C1048111		
 HR 17 	4 x 45 70 90 violet	C1048011	C1048012	C1048013 C1048853	C1048014	B1078712 C1048015	C1048016		
	70 undyed		C1049012	C1049013	C1049014	C1049015			
 HR 17 	4 x 45 8 x 45 4 x 70 violet			C1078713 M1078185 C1078613	C1078714 M1078187 C1078614				
	4 x 45 undyed	take off		C1049713					
 HR 17b 	8 x 45 violet	take off				M1048238			
 2xHR 17 	70 90 violet		C1048869		C1048904				
 HR 17s 	70 violet			C1048113	C1048114	C1048115	C1048116	C1048118	
 HR 20 	70 violet			C1048765	C1048766				
 HR 22 	20 45 70 90 120 violet		C1048028	C1048029	C1048030 C1048877 C1048078	C1048004 C1048005 C1048031	C1048032		
	70 undyed			C1049029	C1049030				
 HR 22 	4 x 45 8 x 45 4 x 70 violet	take off		C1078729 M1078177 C1078629	C1078730 M1078178 C1078630	C1078731 B1078631			
	8 x 45 violet	take off		M1048273	M1048308				
 HR 22b 	8 x 45 violet	take off							










Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 Easyslide	90 violet				C1048874	C1048875			
 Easyslide	70 violet				C1048934	C1048036	C1048037	C1048038	
 Easyslide	20				C1048079	C1048018			
	45			C1048010					
	70	C1048039		C1048040	C1048041	C1048042	C1048043	C1048044	C1048034
	4 x 70 90 120 violet			C1048540	C1048541	C1048542	C1048543	C1048544	C1048545
	70 90 undyed			C1049040	C1049041 C1049541	C1049042	C1049043		
 Easyslide	4 x 45 8 x 45 4 x 70 8 x 70 violet			C1078740 M1078170 C1078640 M1078237	C1078741 M1078171	C1078742 M1078172 C1078642			
	4 x 45 undyed				C1049741				
	take off								
 Easyblack	8 x 45 violet				M1048519				
 Easyslide	70 90 violet				C1048901	C1048902	C1048907		
	45 70 90 violet				C1048089 C1048589	C1048019 C1048090 C1048590	C1048091 C1048591	C1048092 C1048592	C1048093 C1048613
 Easyslide	70 undyed				C1049089	C1049090	C1049091	C1049092	
 Easyslide	4 x 45 8 x 45 4 x 70 violet					C1078790	B1078791 M1078165 B1078691	B1078792 B1078692	B1078793 B1078693

Needle-thread combination

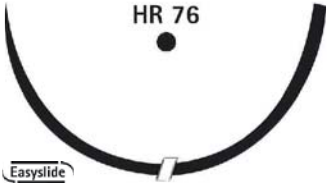









Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle round bodied needle										
 HR 26ss 	70							C1048791	C1048100	
	90 violet								C1048580	C1048642
 HR 26ss 	4 x 45						C1078810			
	take off violet									
 HR 30 	70			C1048035	C1048046	C1048047	C1048048	C1048049	C1048045	
	90 violet				C1048446	C1048447	C1048448			
 HR 30 	70					C1049047	C1049048			
	90 undyed							C1049449		
 HR 30 	4 x 45							B1078762		
	8 x 45 4 x 70 violet				C1078660	M1078155 B1078661	B1078662			
 2xHR 30 	70							C1048747		
	violet									
 HR 30s 	70						C1078330	C1048548	C1048549	
	violet									
 HR 30ss 	70								C1048559	
	90 violet								C1048646	
 HR 30ss 	4 x 70								B1078803	
	take off violet									
 HR 37 	45						C1048017			
	70				C1048050	C1048051	C1048052	C1048053	C1048054	
	90 violet				C1048550	C1048551	C1048552	C1048553		
 HR 37 	70				C1049050					
	undyed									



















Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 37 Easyslide take off	4 x 45 4 x 70 violet				C1078769 C1078669	C1078770 B1078670			
 2xHR 37 Easyslide	90 violet							C1048809	
 HR 37s Easyslide	45 70 90 violet			C1048953	C1048094 C1048955	C1048095 C1048595	C1048021 C1048096 C1048956	C1048097 C1048597	C1048098 B1048598
	70 90 undyed				C1049099 C1049594	C1049095 C1049595	C1049096 C1049596	C1049597	C1049098
 HR 37s Easyslide take off	4 x 45 8 x 45 4 x 70 8 x 70 violet				C1078794 M1049130	C1078795 M1078136 B1078695 M1049131	B1078796 M1078137 C1078696 M1049132	B1078797 M1078139 B1078697 B1049797	B1078798 B1078698
	4 x 45 8 x 45 4 x 70 undyed							B1049697	
 HR 37s Easyslide loop	30 violet						C1048693		
 HR 37s + DS 24 Easyslide	150 violet					C1048279			
 HR 37ss Easyslide	70 90 violet					C1048121	C1048122 C1048576	C1048123 C1048577	C1048324 B1048655

Needle-thread combination

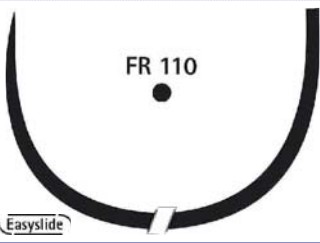
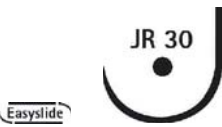
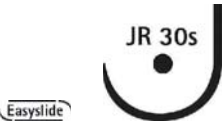
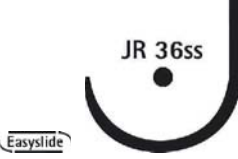
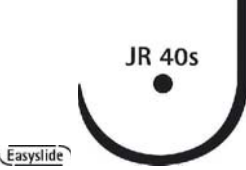



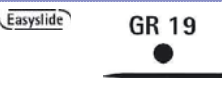
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 37ss take off	4 x 45							B1078806	B1078807
	4 x 70 violet							B1078706	
 HR 40	70							C1048175	C1048457
	90 100 violet							C1048569	C1048571
 HR 40s	70				C1048059	C1048055	C1048056	C1048057	C1048058
	90 120 violet				C1048466	C1048467	C1048556	C1048557	B1048558
 HR 40s take off	70				C1049466	C1049055	C1049058	C1049557	B1049558
	90 undyed								
 HR 40s loop	4 x 45					C1078765	B1078766	B1078767	B1078768
	8 x 45 4 x 70 4 x 90 violet						M1078116	M1078117	M1078118
 HR 40s	150						B1048355	B1048350	
	violet								
 HR 43	70						C1048946	C1048947	C1048948
	90 violet						C1048846	C1048847	B1048848
 HR 43 take off	4 x 45							B1078781	B1078782
	violet								
 HR 43s	70								C1048070
	violet								





















Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 76 Easyslide	70				B1048073	B1048074	B1048075	B1048076	B1048077
	90 violet							B1048579	
 HR 76 Easyslide loop	150							B1048927	B1048928
	violet								
Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle round bodied needle									
 DR 6s Easyslide	20	G1048958							
	violet								
 DR 8 Easyslide	30	C1048133							
	violet								
 DR 10 Easyslide	45		C1048101	C1048102	C1048103				
	violet								
 DR 12 Easyslide	45				C1048134				
	70 violet			C1048434	C1048435	C1048436			
 2xDR 12 Easyslide	45			C1049725	C1049726				
	undyed								
 DR 15 Easyslide	70					C1048107			
	violet								
 DR 18 Easyslide	70				C1048155	C1048150	C1048151	C1048152	
	70 undyed						C1049151		
 DR 22 Easyslide	70					C1048159	C1048160	C1048161	
	violet								





















Needle length mm	Thread length cm colour	USP (metric)								
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
3/8 circle round bodied needle										
 DR 26 	70 violet							C1048164	C1048165	C1048666
 DR 32 	70 violet							C1048170	C1048171	C1048172
Needle length mm	Thread length cm colour	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
 DR 32 	70 90 violet				C1048565				C1048173	C1048168
5/8 circle round bodied needle										
 FR 17 	90 violet				C1048982					
 FR 26 	70 90 violet				C1048414	C1048415 C1048775	C1048416	C1048417		
	70 undyed					C1049415				
 2xFR 26 	70 90 violet			C1048813		C1048815 C1048820	C1048817 C1048828			
 FR 36 	70 violet				C1048424	C1048425	C1048426	C1048427		
 2xFR 36 	90 violet							C1048861		
 FR 40 	70 90 violet					C1048489	C1048490 C1048866	C1048491 C1048867		

Needle-thread combination

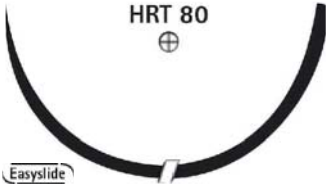







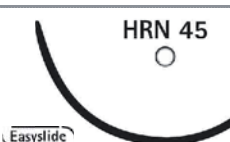
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
5/8 circle round bodied needle									
 <p>FR 110</p> <p>Easyslide</p>	75 violet								G1048678
Hook round bodied needle									
 <p>JR 30</p> <p>Easyslide</p>	70 violet					C1048475			
 <p>JR 30s</p> <p>Easyslide</p>	70 violet							C1048481	
 <p>JR 36ss</p> <p>Easyslide</p>	70 violet						C1048408		
 <p>JR 40s</p> <p>Easyslide</p>	70 violet							C1048478	
Ski Needle round bodied needle									
 <p>SKR 19</p> <p>Easyslide</p>	20 120 violet			C1048752 C1048755		C1048757			
 <p>SKR 26</p> <p>Easyslide</p>	20 120 violet				C1048746 C1048744	C1048749 C1048751	C1048781		
 <p>SKR 26</p> <p>Easyslide</p>	40 violet				C1048745				
Straight round bodied needle									
 <p>GR 19</p> <p>Easyslide</p>	20 violet			C1048281	C1048284				









Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Straight round bodied needle									
 GR 19 	40 violet			C1048945					
 2xGR 19 	35 violet			C1048943					
 GR 51 	90 violet					C1048185			
1/2 circle round bodied needle with short cutting point									
 HRC 26 	70 violet				C1048335				
3/8 circle round bodied needle with short cutting point									
 DRC 12 	70 violet	C1048300	C1048301	C1048302					
5/8 circle round bodied needle with short cutting point									
 FRC 10 	30 violet	C1048798							
Hook round bodied needle with short cutting point									
 JRC 30s 	70 120 violet						C1048477 C1048194	C1048476	
 2xJRC 30s 	45 violet						C1048479		
Progressive curved round bodied needle with short cutting point									
 PRC 24 	120 violet					C1048807			
1/2 circle round bodied needle with trocar point									
 HRT 17 	70 violet		C1048312	C1048313	C1048314	C1048315	C1048316	C1048317	

Needle-thread combination

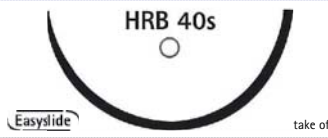
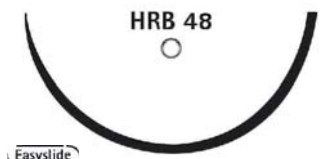
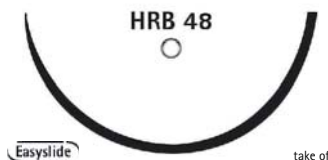

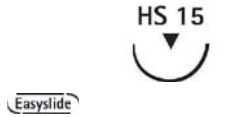

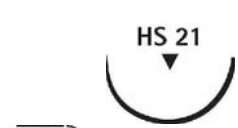
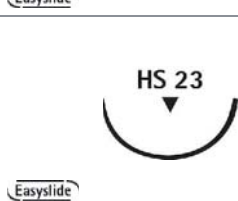
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with trocar point									
 	70 violet					C1048785			
 	70 violet			C1048329	C1048330	C1048331	C1048332	C1048333	
	70 undyed							C1049333	
 	70 violet				C1048341	C1048342	C1048343	C1048344	
	70 undyed						C1049342		
 	70 violet					C1048441	C1048554	C1048444	
	70 undyed							C1049444	
 	70 violet				C1048373	C1048372	C1048371	C1048374	
 	90 violet							C1048375	
 	70 violet				C1048650	C1048392	C1048393	C1048391	B1048654
	90 undyed				C1049661	C1049662	C1049663	C1049664	B1049665
  take off	4 x 45 violet					C1048761			
  loop	150 violet					C1048323			
 	70 violet				C1048394	C1048395	C1048396	C1048397	B1048535
	70 undyed						C1048532	C1048533	C1048534



















Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with trocar point									
	90 violet								G1048788
3/8 circle round bodied needle with trocar point									
	70 violet	C1048306	C1048307						
	70 violet		C1048319	C1048320	C1048321				
	70 undyed			C1049320					
	70 violet			C1048376	C1048377	C1048378			
	70 violet				C1048382	C1048383			
	70 violet				C1048385		C1048387	C1048309	C1048389
1/2 circle round bodied needle with blunt point									
	70 2 x 70 violet				C1048638	C1048604 C1048704			
	70 90 violet					C1048517 C1048617	C1048518 C1048618	C1048619	
	70 90 violet						C1048634 C1048636	C1048635 C1048637	
	90 violet							C1048647	B1048648

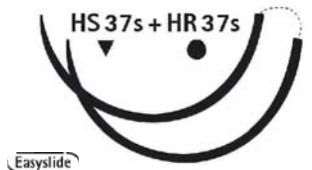

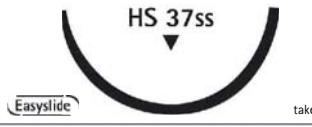


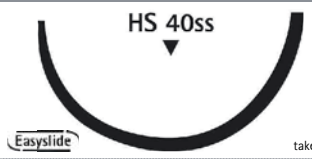
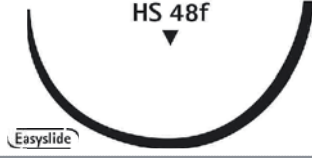

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with blunt point									
 HRN 50 Easyslide	90 violet						C1048663	C1048664	
 HRN 50s Easyslide	90 violet							C1048228	B1048229
 HRN 65 Easyslide	90 violet							B1048674	B1048675
3/8 circle round bodied needle with blunt point									
 DRN 64 Easyslide	90 violet						B1048607	B1048605	B1048614
1/2 circle round bodied needle with protection point									
 HRB 26 Easyslide take off	8 x 45 undyed				M1049828				
 HRB 37s Easyslide	70 90 undyed					C1049818	C1049822	C1049823	
 HRB 37s Easyslide take off	8 x 45 undyed					M1049819	M1049820	M1049821	
 HRB 40s Easyslide	90 violet							C1048988	

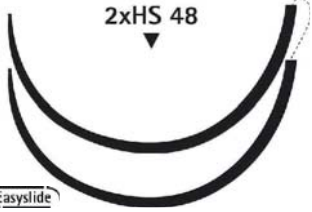

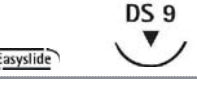

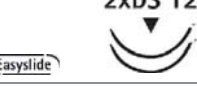



Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with protection point									
 HRB 40s Easyslide take off	8 x 45 violet						M1078295	M1078296	
 HRB 48 Easyslide	90 undyed						C1049778	C1049772	
 HRB 48 Easyslide take off	8 x 45 violet								M1078282
	8 x 45 undyed						M1049770	M1049771	
 HRB 65 Easyslide	90 violet							B1078306	B1048872
1/2 circle reverse cutting needle									
 HS 15 Easyslide	45 violet		C1048203	C1048204					
	70 violet		C1048233	C1048250					
 HS 18 Easyslide	45 undyed		C1049203	C1049204					
	70 violet			C1047038				C1048205	
 HS 21 Easyslide	45 violet			C1048225	C1048226				
	70 undyed			C1049225	C1049425				
 HS 23 Easyslide	45 violet				C1048230	C1048431	C1048432		C1048429
	70 undyed				C1048430	C1049431	C1049432	C1049433	










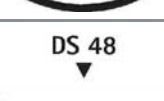







Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
 HS 23 	take off 4 x 45 violet				C1078836				
 HS 23ss 	70 violet								C1048840
	70 undyed						C1049437		
 HS 26 	70 90 120 violet				C1048241 C1048814 C1048841	C1048242 C1048442 C1048837	C1048243	C1048244	
	70 undyed				C1049440	C1049441			
 HS 26s 	70 90 120 violet				C1048641	C1048290 C1048440 C1048839	C1048291 C1048811 C1048816	C1048292	
	70 undyed				C1049289	C1049290	C1049084	C1049293	
 HS 26s 	take off 4 x 45 violet						C1078895		
	4 x 45 8 x 45 undyed				C1049894	C1049895 M1049176			
 HS 26ss 	70 violet								C1048084
	70 undyed							C1049083	
 HS 30 	70 violet						C1048251	C1048252	C1048253
	70 undyed						C1049450	C1049451	
 HS 37 	70 90 violet				C1048494	C1048495	C1048976 C1048496	C1048977 C1048497	C1048978 B1048498
	90 undyed						C1049294	C1049295	C1049296 B1049297
 HS 37s 	70 90 120 violet			C1048593	C1048293 C1048594	C1048294 C1048596	C1048296 C1048582	C1048297 C1048583 C1048819	C1048298 B1048599
	70 undyed						C1049195	C1049196	C1049197























Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
	150 violet					B1048278			
	70 violet					C1048085	C1048086	C1048087	
	70 undyed							C1049087	
	3 x 45 violet						B1078701		
	70 90 violet					C1048485	C1048486	C1048806 C1048487	C1048981 B1048488
	70 90 violet					C1048267 C1048585	C1048268 C1048586	C1048269 C1048587	C1048770 B1048588
	3 x 45 undyed						B1049676		
	90 violet							C1048464	
	70 90 violet					C1048691	C1048261 C1048461	C1048262 C1048462	C1048263 B1048463
	90 undyed						C1049362	C1049363	B1049364









Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
 2xHS 48 Easyslide	90 violet								C1048683
 HS 55 Easyslide	70 violet								C1048227
3/8 circle reverse cutting needle									
 DS 9 Easyslide	45 violet	C1048202							
 DS 12 Easyslide	45 70 violet	C1048206 C1048506	C1048207 C1048507	C1048208 C1048508					
	45 70 undyed	C1049206 C1049330	C1049207 C1049331	C1049208					
 2xDS 12 Easyslide	45 violet		C1048769						
 DS 16 Easyslide	45 70 90 violet		C1048212 C1048512	C1048213 C1048513 C1048960	C1048214 C1048514	C1048215			
	45 70 undyed		C1049212	C1049213 C1049303	C1049214				
 DS 19 Easyslide	45 70 violet		C1048219 C1048419	C1048220 C1048420	C1048221 C1048421	C1048422			
	45 70 undyed		C1049219 C1049419	C1049220 C1049420	C1049221 C1049421	C1049422			
 2xDS 19 Easyslide	2 x 45 violet			C1048729					

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle									
 DS 24	45			C1048536					
	70			C1048234	C1048235	C1048236	C1048237		
 DS 24 Easyslide	90					C1048969			
	150					C1048537			
 DS 24 Easyslide	violet								
	45				C1049535				
 DS 24 Easyslide	70			C1049234	C1049235	C1049236	C1049237		
	undyed								
 DS 24 Easyslide	4 x 45				C1078953				
	violet								
 DS 30 Easyslide	70				C1048246	C1048247	C1048248	C1048249	C1048245
	violet								
 DS 30 Easyslide	70				C1049246	C1049247	C1049248	C1049244	
	90						C1049148		
 DS 30 Easyslide	undyed								
	70				C1048255	C1048256	C1048257	C1048258	C1048259
 DS 35 Easyslide	violet								
	70				C1049255	C1049256			
 DS 35 Easyslide	undyed								
	70						C1048282	C1048283	
 DS 39 Easyslide	violet							C1048453	
	70								
 DS 48 Easyslide	violet								
	70								C1049282
 DS 48 Easyslide	undyed								
	70								
5/8 circle reverse cutting needle									
 FS 25 Easyslide	70				C1048398				
	violet								
Straight reverse cutting needle									
 2xGS 13 Easyslide	45			C1048920					
	violet								
 GS 45 Easyslide	45			C1049512					
	undyed								
 GS 51 Easyslide	70				C1048272		C1048275		
	violet								
 GS 51 Easyslide	70			C1049271		C1049273			
	undyed								

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Straight reverse cutting needle									
 2xGS 51 	45 violet							C1048933	
 GS 60 	70 violet				C1048265	C1048266			
	45 70 undyed			C1049280	C1049265	C1049267			
 GS 75 	70 violet							G1048923	
1/2 circle reverse cutting needle with precision point									
 HSMP 9 	45 undyed		C1049591						
Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
 2xHSMP 9 	35 violet	C1048673							
 HSMP 12 	45 undyed				G1049632	G1049633			
 HSMP 15 	45 undyed					C1049636			
3/8 circle reverse cutting needle with precision point									
 DSMP 7 	70 violet		C1048407						
 2xDSMP 7 	45 undyed		C1049708	C1049709					
	45 violet			C1048685					
 DSMP 11 	45 undyed		C1049702	C1049607	C1049608				
 DSMP 13f 	45 undyed			C1049617					

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle reverse cutting needle with precision point									
 DSMP 13	70 violet				C1048723				
	45 undyed			C1049618	C1049619	C1049620			
 2xDSMP 13	45 violet				C1048162				
	45 undyed				C1049715	C1049716			
 DSMP 16	45 violet				C1048538		C1048529		
	45 undyed				C1049525	C1049524			
	70 undyed				C1049325	C1049326	C1049327		
 DSMP 19	70 violet				C1048528	C1048823	C1048824		
	45 undyed				C1049528	C1049629	C1049630		
	70 undyed					C1049529	C1049530	C1049531	
 DSMP 24	70 violet						C1048864	C1048865	
	45 undyed					C1049655	C1049656	C1049657	
	70 undyed					C1049555	C1049556	C1049554	
 DSMP 30	70 violet							C1048670	
 DSMP 39	70 violet							C1048660	
	70 undyed						C1049659		
Progressive curved reverse cutting needle with precision point									
 PSMP 16	45 undyed				C1049602				

	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Pre-cut sutures									
3 threads of 45 cm	3 x 45 violet	C1038622	C1038623	C1038624	C1038625	C1038626	C1038627	C1038629	C1038630
6 threads of 45 cm	6 x 45 violet		C1038643	C1038644	C1038645	C1038646	B1038647	B1038649	B1038650
12 threads of 45 cm	12 x 45 violet			C1038664	C1038665	C1038666	B1038667	B1038669	B1038670
10 threads of 60 cm	10 x 60 violet		C1038180	C1038181	C1038182	C1038183	B1038567	B1038568	
2 threads of 70 cm	2 x 70 violet			C1038404	C1038405	C1038406	C1038407	C1038409	C1038410
5 threads of 70 cm	5 x 70 violet			C1038444	C1038445	C1038446	C1038447	B1038449	B1038450
4 threads of 90 cm	4 x 90 violet					C1038064			
1 thread of 140 cm	1 x 140 violet		C1038203	C1038204	C1038205	C1038207	C1038208	C1038209	C1038210
1 thread of 150 cm	1 x 150 violet				B1038705	B1038706	B1038707	B1038709	B1038708
3 threads of 45 cm	3 x 45 undyed		C1039623		C1039625	C1039626	C1039627	C1039629	C1039630
6 threads of 45 cm	6 x 45 undyed				C1039645	C1039646			
12 threads of 45 cm	12 x 45 undyed			C1039664	C1039665	C1039666	B1039667	B1039669	B1039670
2 threads of 70 cm	2 x 70 undyed				C1039405	C1039406	C1039407		C1039410
5 threads of 70 cm	5 x 70 undyed			C1039444	C1039445	C1039446	C1039447		
1 thread of 140 cm	1 x 140 undyed				C1039205	C1039207	C1039208		
Ligature reels									
1 thread of 250 cm	1 x 250 violet				G1038715	G1038716	G1038717	G1038719	G1038720
1 thread of 250 cm	1 x 250 undyed				G1039715	G1039716			

Monosyn® Quick

Absorbable sutures

DESCRIPTION

Monosyn® Quick is an undyed short-term absorbable synthetic monofilament suture made of glyconate for the approximation of soft tissue with a fast healing process. Monosyn® Quick is recommended for all soft tissue with a fast healing process.

INDICATION

- Plastic surgery
- Gynaecology / Obstetrics
- Urology and Paediatrics
- Odontology and ENT
- Maxillofacial



ADVANTAGES

- Short-term absorption profile











Monosyn® Quick

Product overview

Structure	Monofilament
Colour	Undyed
Chemical composition	Glyconate (72 % glycolide, 14 % trimethylene carbonate, 14 % ϵ -caprolactone)
Coating	Uncoated
Origin	Synthetic
Sizes	USP 6/0 (metric 0.7) to USP 1 (metric 4)
Type of absorption	By hydrolysis
Mass absorption	56 days
Sterilisation	Ethylene oxide

Monosyn® Quick

Needle-thread combination




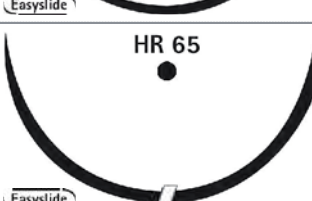


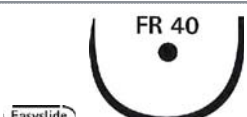


Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
Easyslide HR 13 	45	C0025193	C0025194 C0025207	C0025195					
	70 undyed								
Easyslide HR 17 	45	C0025216 C0025219	C0025225 C0025051	C0025052	C0025053				
	70 undyed								
Easyslide HR 22 	45				C0025160 C0025246	C0025247			
	70 undyed			C0025245					
Easyslide HR 26 	70 undyed			C0025057	C0025058	C0025059	C0025060		
Easyslide HR 26 + FR 26 	70 undyed					C0025385			
Easyslide HR 26s 	70 undyed					C0025361	C0025165		
Easyslide HR 30 	70 undyed					C0025294	C0025295	C0025296	
Easyslide HR 37s 	70 90 undyed				C0025064 C0025070	C0025065 C0025071	C0025066 C0025072	C0025067 C0025073	
Easyslide 2xHR 37s 	90 undyed						C0025189	C0025188	
Easyslide HR 40s 	70 90 undyed				C0025080	C0025076	C0025077 C0025082	C0025078 C0025083	

C Box of 36 units

B Box of 24 units

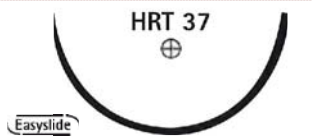





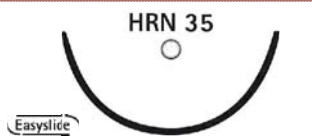


G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 43 <small>Easyslide</small>	70 undyed						C0025176		
 HR 43s <small>Easyslide</small>	70 90 undyed						C0025175 C0025370		
 HR 48 <small>Easyslide</small>	90 undyed					C0025086	C0025087	C0025088	
 HR 65 <small>Easyslide</small>	90 undyed					B0025261			
5/8 circle round bodied needle									
 FR 26 <small>Easyslide</small>	70 undyed					C0025047			
 FR 36 <small>Easyslide</small>	70 undyed					C0025118			
 FR 40 <small>Easyslide</small>	70 undyed						C0025108		
Straight round bodied needle									
 GR 19 <small>Easyslide</small>	45 undyed		C0025114	C0025115					
1/2 circle round bodied needle with trocar point									
 HRT 17 <small>Easyslide</small>	70 undyed		C0025152						

Monosyn® Quick

Needle-thread combination























Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with trocar point									
 HRT 37	90					C0025091	C0025092	C0025093	
	120 undyed					C0025096			
 HRT 37s	70					C0025103			
	undyed								
 HRT 43	90						C0025284	C0025285	
	undyed								
 HRT 48	70						C0025173		
	90 undyed						C0025275		
3/8 circle round bodied needle with trocar point									
 DRT 12	45	C0025235							
	undyed								
 DRT 18	45		C0025236						
	70 undyed			C0025313	C0025314				
1/2 circle round bodied needle with blunt point									
 HRN 35	70						C0025177		
	undyed								
 HRN 65	70						B0025139		
	undyed								
1/2 circle reverse cutting needle									
 HS 15	45		C0025143						
	undyed								

C Box of 36 units

B Box of 24 units






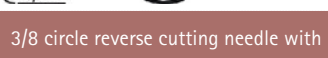



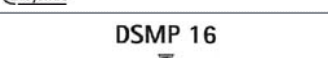






G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
 HS 18 	70 undyed				C0025379				
 HS 23 	45 undyed			C0025388	C0025389				
 HS 37 	70 undyed						C0025174		
 HS 37s 	90 undyed					C0025265	C0025266		
 2xHS 37s 	70 undyed					C0025109			
 HS 40s 	90 undyed						C0025256	C0025257	
3/8 circle reverse cutting needle									
 DS 12 	45 70 undyed	C0025134	C0025135 C0025323	C0025136 C0025304	C0025169				
 DS 16 	45 70 undyed		C0025125 C0025331	C0025126 C0025332	C0025333				
 DS 19 	45 70 undyed	C0025005	C0025001 C0025006	C0025002 C0025007	C0025003 C0025008	C0025009			
 DS 24 	45 70 undyed			C0025011	C0025351 C0025012	C0025352 C0025013	C0025342		
 DS 30 	70 undyed				C0025014	C0025015	C0025107		

Monosyn® Quick

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Straight reverse cutting needle									
 GS 51 	70 undyed			C0025180	C0025181	C0025182	C0025172		
 GS 60 	70 undyed				C0025186				
1/2 circle reverse cutting needle with precision point									
 HSMP 15 	45 undyed			C0025101					
3/8 circle reverse cutting needle with precision point									
 DSMP 11 	45 70 undyed	C0025020	C0025021 C0025112						
 DSMP 13 	45 70 undyed	C0025023 C0025111	C0025024 C0025113	C0025025 C0025337					
 DSMP 16 	45 70 undyed	C0025027	C0025028	C0025029 C0025130	C0025030				
 DSMP 19 	45 70 undyed		C0025031	C0025032 C0025036	C0025033 C0025037	C0025038			
 DSMP 24 	45 70 undyed			C0025039 C0025042	C0025040 C0025043	C0025044			

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Monosyn® Quick

Needle-thread combination

	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
Pre-cut sutures									
1 thread of 45 cm	1 x 45 undyed						C0021004		
1 thread of 150 cm	1 x 150 undyed			C0025320	C0025317	B0025322			

Monosyn®

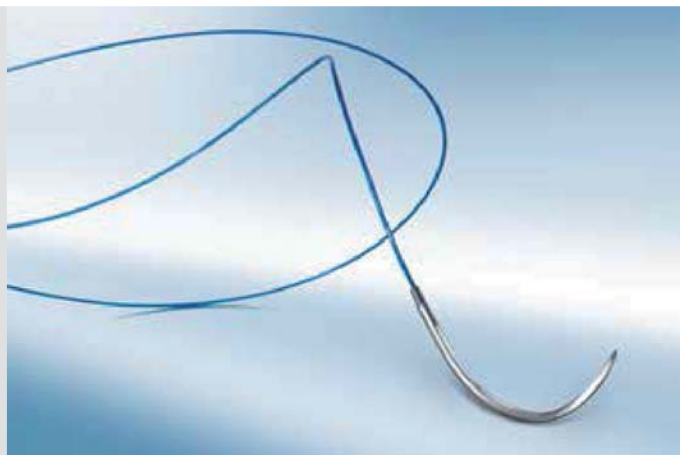
Absorbable sutures

DESCRIPTION

Monosyn® is a mid-term absorbable synthetic monofilament suture made of glyconate, available in undyed color for the closure of superficial wounds and in violet color for the rest of indications. Monosyn® offers excellent handling properties and high knot security.

INDICATION

- Gastrointestinal surgery
- Gynaecology & Obstetrics
- Urology
- Skin closure (intracutaneous, subcutaneous)
- Paediatrics
- Ligatures



ADVANTAGES























- Ideal degradation profile for soft tissue
- Smooth tissue passage
- Easy handling
- High knot-pull tensile strength
- Excellent knot security
- Rapid mass absorption














Monosyn®

Product overview

Structure	Monofilament
Colour	Violet or undyed
Chemical composition	Glyconate (72 % glycolide, 14 % trim-ethylene carbonate, 14 % ε-caprolactone)
Coating	Uncoated
Origin	Synthetic
Sizes	USP 7/0 (metric 0.5) to USP 2 (metric 5)
Type of absorption	By hydrolysis
Mass absorption	60 to 90 days
Sterilisation	Ethylene oxide








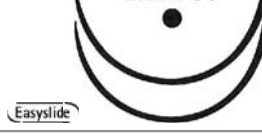


Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 HR 10 	70 violet		C0022123						
 HR 13ff 	45 violet		C0022885						
 HR 13 	45 4 x 45 70 violet	C0022132	C0022019 C0022007	C0022008	C0022009				
	70 undyed		C0023007	C0023008	C0023009				
 HR 13b 	70 violet		C0022301						
 2xHR 13 	70 violet		C0022801	C0022800					
 HR 17 	70 90 violet		C0022002	C0022003 C0022810	C0022004 C0022811	C0022005			
	70 undyed			C0023003	C0023004	C0023005	C0023006		
 HR 17b 	70 violet			C0022616	C0022688	C0022689			
 HR 17 	4 x 45 8 x 45 4 x 70 violet	take off			C0022160	C0022501 M0022938	C0022502 M0022939		
 HR 17b 	8 x 45 violet	take off					M0022622		
 2xHR 17 	70 violet			C0022803	C0022804	C0022805			
 2xHR 17b 	70 violet			C0022623	C0022626				

Needle length mm	Thread length cm colour	USP (metric)								
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	
1/2 circle round bodied needle										
	30						C0022017	C0022018		
	45		C0022412	C0022413			C0022415			
	70			C0022013	C0022014		C0022015	C0022016		
	120						C0022519	C0022520		
	violet									
	70				C0023014	C0023015	C0023016			
	8 x 45						M0022148			
	70				C0022659	C0022660	C0022661			
	4 x 45					C0022510	C0022511	C0022512		
	8 x 45					M0022695	M0022696			
	4 x 70					C0022061				
	violet	take off								
	8 x 45					M0022627	M0022628			
	4 x 70					C0022064				
	70					C0022814	C0022815			
	90					C0022914	C0022915			
	violet									
	90						C0023915			
	undyed									
	70					C0022632	C0022639			
	90					C0022638				
	violet									
	30						C0022022	C0022023		
	70					C0022024	C0022025	C0022026	C0022027	C0022028
	90			C0022423		C0022422	C0022425	C0022426		
	120					C0022524	C0022424	C0022525	C0022526	
	violet									
	70					C0023024	C0023025	C0023026		
	undyed									
	8 x 45						M0022153			
	70					C0022643	C0022357	C0022358		
	violet									
	4 x 45					C0022521	C0022522	C0022523		
	8 x 45					M0022260	M0022261			
	4 x 70					C0022571	C0022572			
	violet	take off								
	8 x 45						M0022645			
	8 x 70						M0022646			
	violet									

Monosyn®

Needle-thread combination


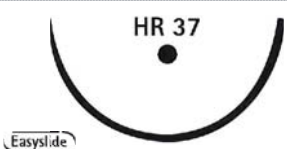





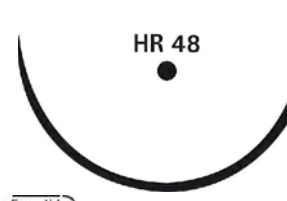
Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 2xHR 26 EasySlide	20								
	70				C0022823	C0022835	C0022836		
	90				C0022824	C0022825	C0022826		
 2xHR 26b Easyblack	70					C0022649	C0022654		
	90					C0022650			
	violet								
 HR 26 + FR 26 EasySlide	90							C0022218	
	violet								
 HR 26s EasySlide	70				C0022084	C0022085	C0022086	C0022087	C0022088
	violet								
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
 HR 26s EasySlide	70				C0022485	C0022486	C0022487	C0022488	C0022089
	90								
	violet								
 HR 30 EasySlide	70			C0022034	C0022035	C0022036	C0022037	C0022038	C0022039
	90					C0022496	C0022497		
	violet								
 HR 30 EasySlide	70						C0023037		
	undyed								
 HR 30 EasySlide	4 x 45				C0022585				
	violet								
 2xHR 30 EasySlide	70				C0022435	C0022436			
	90				C0022535	C0022536			
	violet								
 HR 30s EasySlide	70						C0022041	C0022042	
	violet								

C Box of 36 units

B Box of 24 units






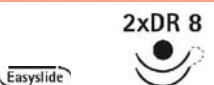
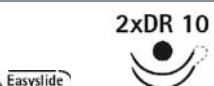
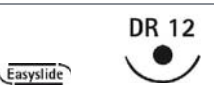
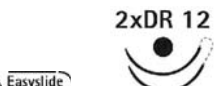
G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 30ss Easyslide	4 x 45 violet							B0022547	
 HR 37 Easyslide	70 90 violet			C0022044	C0022045 C0022445	C0022046 C0022446	C0022047 C0022447	C0022048 C0022448	C0022049
	70 undyed				C0023001		C0023045		
 HR 37 Easyslide	4 x 45 violet					C0022542	B0022543		
 HR 37s Easyslide	70 90 violet				C0022055 C0023094 C0023930	C0022056 C0022456	C0022057 C0022457	C0022058 C0022458	
	70 90 120 undyed					C0023456	C0023081		B0023470
 HR 37s Easyslide	4 x 70 undyed					C0023546			
 HR 40s Easyslide	70 90 violet					C0022066 C0022466	C0022067 C0022467	C0022068 C0022468	C0022069 B0022469
 HR 40s Easyslide	4 x 45 violet						B0022548		
 HR 48 Easyslide	90 120 140 150 violet					C0022076	C0022077 B0022292	C0022078 B0022578 B0022290	B0022079
	120 undyed						B0023479	B0023478	

Monosyn®

Needle-thread combination

























Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
HR 48 	4 x 45 violet								B0022554
HR 60 	90 violet								B0022490
HR 65 	90 violet					B0022492			
HR 70 	70 violet								B0022760
HR 76 	90 150 violet								B0022493 B0022494
3/8 circle round bodied needle									
2xDR 8 	45 violet		C0022582						
2xDR 10 	90 violet	C0022829							
DR 12 	70 violet	C0022095	C0022096						
2xDR 12 	70 90 violet	C0022854	C0022830						

C Box of 36 units

B Box of 24 units























G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle round bodied needle									
 DR 18 	70 violet		C0022093	C0022094					
 DR 18 	30 violet	loop				C0022783			
 DR 22 	30 70 120 120 violet			C0022110 C0022129	C0022100 C0022112	C0022098			
 DR 26 	70 120 violet				C0022117 C0022121	C0022118			
 2xDR 26 	70 violet					C0022790			
 DR 32 	70 violet			C0022111	C0022101	C0022106	C0022125	C0022126	
 2xDR 32 	70 violet					C0022863			
5/8 circle round bodied needle									
 FR 13 	90 violet		C0022606	C0022607					
 FR 17 	90 violet		C0022610	C0022611					
 FR 22 	90 violet		C0022614	C0022615					
 FR 26 	70 90 violet			C0022618	C0022619	C0022620 C0022625	C0022621		
	70 undyed				C0023622	C0023620			
 2xFR 26 	70 90 violet			C0022734	C0022735 C0022727	C0022736 C0022740			

Monosyn®

Needle-thread combination























Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
5/8 circle round bodied needle									
 FR 36 	70 violet				C0022635	C0022636	C0022637		
	70 undyed							C0023618	
 2xFR 36 	90 violet				C0022729	C0022730	C0022731		
 FR 36 + FR 26 	90 violet					C0022151			
 FR 40 	70					C0022629	C0022630		
	90 violet						C0022670		
Ski Needle round bodied needle									
 SKR 19 	120 violet				C0022714				
 SKR 26 	30				C0022715	C0022716			
	120 violet				C0022717	C0022718			
Progressive curved round bodied needle									
 PR 13b 	45 violet		C0022655						
Straight round bodied needle									
 GR 19 	30 violet			C0022410	C0022406				
 GR 65 	90 violet				C0022679				
 2xGR 65 	70 violet					C0022575			
1/2 circle round bodied needle with short cutting point									
 HRC 13b 	70 violet		C0022934						

C Box of 36 units

B Box of 24 units


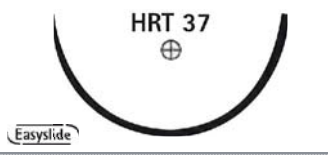
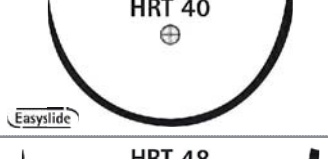







G Box of 12 units









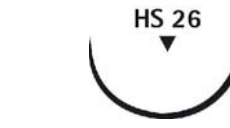
M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with short cutting point									
 HRC 17b 	70 violet			C0022943					
3/8 circle round bodied needle with short cutting point									
 DRC 10 	70 violet	C0022382							
 DRC 12 	70 violet	C0022392	C0022403						
 2xDRC 12 	70 violet	C0022832	C0022845						
1/2 circle round bodied needle with trocar point									
 HRT 13 	70 violet	C0022310	C0022311						
 HRT 17 	70 violet	C0022322	C0022323	C0022324	C0022325	C0022326			
 2xHRT 17 	70 violet			C0022724	C0022725				
 2xHRT 22 	70 90 violet			C0022330 C0022430	C0022331 C0022431				
 HRT 26 	70 90 violet			C0022304	C0022305	C0022306	C0022307 C0022507	C0022308 C0022508	
 2xHRT 26 	70 violet			C0022404	C0022405				
 HRT 30 	70 violet				C0022335	C0022336	C0022337	C0022338	

















Monosyn®













Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with trocar point									
	70 violet				C0022440	C0022441			
	70 90 violet undyed				C0022315 C0022314	C0022316 C0022516	C0022317 C0022517	C0022318 C0022518	
	90 violet						C0022527	C0022528	
	90 150 violet						C0022332	C0022333 B0022334	
3/8 circle round bodied needle with trocar point									
	70 violet		C0022343	C0022344					
	70 violet			C0022354	C0022355				
	70 violet				C0022365	C0022366			
	70 violet					C0022376	C0022377	C0022378	
1/2 circle round bodied needle with blunt point									
	70 90 violet					C0022283	C0022284 C0022439		
	90 violet							C0022453	

















Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle round bodied needle with blunt point									
 DRN 64 Easyslide	90 violet								B0022400
1/2 circle round bodied needle with protection point									
 HRB 26 Easyslide	8 x 45 violet				M0022871				
 HRB 37s Easyslide	90 violet						C0022707	C0022708	
 HRB 37s Easyslide	8 x 45 violet					M0022287	M0022890	M0022891	
 HRB 48 Easyslide	8 x 45 violet						M0022880	M0022881	
1/2 circle reverse cutting needle									
 HS 18 Easyslide	70 violet			C0022234					
	70 undyed		C0023263	C0023264					
 2xHS 18 Easyslide	30 undyed			C0023674					
 HS 23 Easyslide	70 undyed			C0023224	C0023225	C0023226			
 HS 26 Easyslide	70				C0022236	C0022237			
	90				C0022072	C0022299			
	120 violet				C0022080	C0022074			
	70 undyed				C0023239	C0023240			



Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
 HS 26s 	70				C0022241	C0022242	C0022243		
	90 120 violet					C0022053	C0022052		
	70 undyed						C0022075	C0022082	
 HS 30 	70 undyed					C0023250	C0023251		
 HS 37 	70 undyed				C0023235	C0023236	C0023237	C0023238	
 HS 37s 	70 90 120 violet					C0022247	C0022248	C0022249	
	70 undyed					C0022461	C0022477	C0022478	
						C0022108	C0022136		
 HS 37ss 	70 violet					C0023243	C0023244		
 HS 40 	90 violet								B0022269
	90 undyed						C0023247	C0023248	
 HS 48 	90 violet								B0022279
	90 undyed						C0023259	C0023258	
3/8 circle reverse cutting needle									
 DS 12 	45 70 violet	C0022102	C0022103	C0022104					
	45 70 undyed	C0022109	C0022210						
		C0023102	C0023103						
		C0023412	C0023413	C0023414					

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle									
 DS 16	45		C0022419	C0022420	C0022421				
	70 violet			C0022220					
 DS 19	45	C0023562	C0023563	C0023303					
	70 undyed		C0023423	C0023424	C0023425				
 DS 19	45		C0022503	C0022504	C0022505				
	70 90 120 violet			C0022204	C0022205	C0022239			
 DS 19	45		C0023503	C0023204	C0023205				
	70 undyed		C0023403	C0023404	C0023405	C0023506	C0023406		
 DS 24	45				C0022115				
	70 90 violet			C0022214	C0022215	C0022216	C0022217		
 DS 24	45			C0023114	C0023115	C0023116			
	70 90 undyed			C0023214	C0023215	C0023216	C0023181	C0023182	
 DS 30	70					C0022231	C0022232	C0022233	
	90 violet						C0022349		
 DS 30	45					C0023201			
	70 undyed			C0023207	C0023435	C0023436	C0023437		
 DS 39	70 undyed					C0023191			
5/8 circle reverse cutting needle									
 FS 25	70 undyed				C0023220				
Straight reverse cutting needle									
 GS 13	45 undyed			C0023131					
 GS 51	70 undyed			C0023279	C0023280	C0023281			

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Straight reverse cutting needle									
 GS 60 	70 violet				C0022062				
	70 undyed			C0023284	C0023285	C0023286			
1/2 circle reverse cutting needle with precision point									
 HSMP 9 	45 undyed	C0023651							
	45 undyed			C0023615					
 HSMP 15 	45 undyed			C0023615					
	45 undyed			C0023615					
3/8 circle reverse cutting needle with precision point									
 DSMP 7 	45 violet		C0022647	C0022648					
	45 undyed		C0023647						
 DSMP 11 	45 violet		C0022644	C0022601	C0022602				
	45 undyed		C0023641	C0023642	C0023643				
 DSMP 13 	45 violet		C0022608	C0022432	C0022433	C0022434			
	45 undyed		C0023601	C0023602	C0023603	C0023604	C0023605		
 DSMP 16 	45 violet				C0022563				
	45 undyed				C0023613	C0023614			
	70 undyed				C0023162	C0023163			
	45 undyed				C0023612				
 DSMP 19 	45 violet					C0022444			
	70 undyed					C0022141			
	45 undyed				C0023623	C0023624	C0023625		
70 undyed					C0023627	C0023628			

Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle reverse cutting needle with precision point									
 DSMP 24	70 violet							C0022685	
	45 70 undyed					C0023634 C0023632	C0023633 C0023635	C0023637 C0023636	
 DSMP 24s	70 undyed						C0023638		

Needle-thread combination

	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Pre-cut sutures									
3 threads of 45 cm	3 x 45 violet		C0020003	C0020004	C0020005	C0020006	C0020007	C0020008	
6 threads of 45 cm	6 x 45 violet			C0020014	C0020015	C0020016	B0020017	B0020018	
5 threads of 70 cm	5 x 70 violet				C0020025	C0020026	C0020027	B0020028	
1 thread of 140 cm	1 x 140 violet				C0020035	C0020036	C0020037	C0020038	
6 threads of 45 cm	6 x 45 undyed					C0023811	B0023810	B0023809	
Ligature reels									
1 thread of 250 cm	1 x 250 violet					G0020046	G0020047	G0020048	
1 thread of 250 cm	1 x 250 undyed					G0021246	G0021247		

MonoPlus®

Absorbable sutures

DESCRIPTION

MonoPlus® is a violet long-term absorbable synthetic monofilament suture made of polydioxanone. MonoPlus® offers good handling combined with great strength. Because of its slow degradation profile, MonoPlus® is ideal for all the indications where an extended wound support of more than 4 weeks is desirable.

INDICATION

- Orthopaedics (tendons, joint capsule)
- Paediatric cardiovascular surgery
- General surgery
- Abdominal wall closure



ADVANTAGES

- High knot tensile strength
- Outstanding strength retention for extended wound support
- Very flexible
- Pliable and easy to knot
- Smooth passage through tissue

MonoPlus®

Product overview

Structure Monofilament



Colour Violet

Chemical composition Polydioxanone

Coating Uncoated

Origin Synthetic

Sizes USP 7/0 (metric 0.5) to USP 2 (metric 5)



























Type of absorption By hydrolysis

Mass absorption 180 up to 210 days

Sterilisation Ethylene oxide

MonoPlus®

Needle-thread combination

























Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 2xHR 6 	70 violet	C0024005							
 HR 10 	70 violet		C0024155						
 2xHR 10 	70 violet		C0024843						
 2xHR 13ff 	70 violet		C0024846	C0024847					
 HR 13 	45 70 4 x 70 violet		C0024902 C0024002	C0024903 C0024003 C0024807	C0024004				
 HR 13 	take off 4 x 70 violet			C0024705					
 2xHR 13 	70 violet		C0024602	C0024603					
 2xHR 13b 	70 violet				C0024505				
 HR 13ss 	70 violet					C0024205	C0024206	C0024207	
 HR 17 	45 70 90 violet		C0024012	C0024013	C0024889 C0024014 C0024424	C0024015			
 HR 17b 	70 4 x 70 violet			C0024515 C0024516	C0024521				
 HR 17 	take off 4 x 70 violet			C0024009					
 2xHR 17 	70 90 violet			C0024613 C0024443	C0024614 C0024444				

C Box of 36 units

B Box of 24 units










G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 	70 violet						C0024129	C0024131	C0024132
 	70 violet					C0024679	C0024680		
 	70 4 x 70 violet			C0024133	C0024134 C0024707		C0024135	C0024136	
 	70 4 x 70 violet				C0024522 C0024526		C0024530		
 	4 x 45 8 x 45 4 x 70 violet	take off			C0024764 M0024381 C0024708		C0024765 M0024684		
 	70 90 violet					C0024634 C0024238	C0024635 C0024239		
 	75 violet					C0024531			
 	70 violet						C0024145	C0024146	C0024147
 	70 4 x 70 90 violet				C0024433	C0024024 C0024717 C0024434	C0024025 C0024435	C0024026 C0024436	C0024027
 	4 x 45 70 violet					C0024547	C0024550 C0024548	C0024551	
 	4 x 45 8 x 45 4 x 70 8 x 70 violet	take off				C0024774 M0024869 C0024724 M0024961	C0024775 C0024725 M0024962	C0024776 M0024871 B0024726	
 	30 70 90 120 violet					C0024199 C0024624 C0024437	C0024625 C0024438 C0024620	C0024626 C0024441	

MonoPlus®

Needle-thread combination

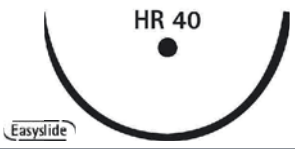
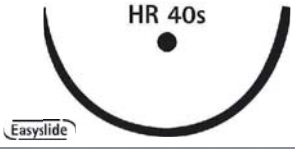
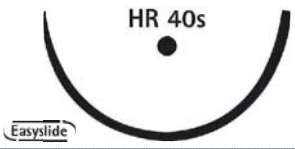
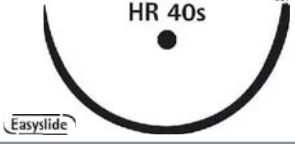



Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 HR 26s <small>Easyslide</small>	70 90 violet					C0024085	C0024086 C0024143	C0024087	C0024088 C0024080
 HR 26ss <small>Easyslide</small>	70 violet							C0024264	
 HR 30 <small>Easyslide</small>	70 90 violet				C0024034 C0024439	C0024035 C0024440	C0024036	C0024037	C0024038
 HR 30 <small>Easyslide</small> loop	150 violet						C0024968		
 2xHR 30 <small>Easyslide</small>	90 violet					C0024945			
 HR 37 <small>Easyslide</small>	70 90 violet					C0024045	C0024046	C0024447	C0024448
 2xHR 37 <small>Easyslide</small>	70 90 violet				C0024644	C0024639	C0024646		
 HR 37s <small>Easyslide</small>	70 90 violet					C0024055 C0024450	C0024056	C0024057 C0024452	C0024058 C0024453
 HR 37s <small>Easyslide</small> take off	4 x 45 8 x 45 violet						M0024948	B0024925 M0024949	B0024912

C Box of 36 units

B Box of 24 units

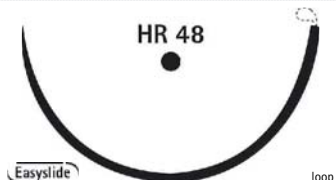






G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 HR 40 Easyslide	70 90 violet					C0024040			C0024458
 HR 40s Easyslide	70 90 violet						C0024066 C0024466	C0024067 C0024467	C0024068 C0024468
Needle length mm	Thread length cm colour	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
 HR 40s Easyslide	90 150 violet						B0024563	B0024564	B0024469
 HR 40s Easyslide	150 240 violet						B0024567	B0024568 B0024113	
 HR 43s Easyslide	90 violet						C0024401	C0024402	
 HR 48 Easyslide	70 90 150 violet				C0024589	C0024063	B0024077 B0024089	C0024078	B0024079
 HR 48 Easyslide	4 x 45 8 x 45 violet						M0024759	B0024918 M0024760	

MonoPlus®

Needle-thread combination































Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 <p>HR 48 loop</p>	150 180 240 violet						B0024090	B0024091 B0024397 B0024398	
 <p>HR 65</p>	2 x 70 140 violet							B0024097 B0024500	
 <p>HR 65 loop</p>	120 150 240 250 violet						B0024094	B0024339 B0024130 B0024107 B0024100	
 <p>HR 70</p>	70 violet							B0024858	
 <p>HR 76</p>	70 violet							B0024099	
 <p>HR 76 loop</p>	150 violet							B0024098	
3/8 circle round bodied needle									
 <p>2xDR 8</p>	45 violet	C0024714							

C Box of 36 units

B Box of 24 units








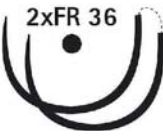












G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle round bodied needle									
 DR 10 	45 70 violet	C0024981 C0024501							
 DR 10b 	70 violet	C0024010							
 2xDR 10 	45 70 violet	C0024801	C0024982 C0024802						
 DR 12 	45 70 violet	C0024911	C0024512	C0024513	C0024514				
 2xDR 12 	70 violet		C0024812	C0024813	C0024814				
 DR 13b 	70 violet			C0024008					
 2xDR 13b 	70 violet			C0024224					
 DR 15 	70 violet			C0024523	C0024524	C0024525			
 2xDR 15 	70 violet			C0024823	C0024824	C0024825			
 DR 18 	70 violet		C0024532	C0024533	C0024534	C0024528			
 DR 18b 	70 violet				C0024611				
 DR 18 	40 violet	loop				C0024529			
 2xDR 18 	70 violet			C0024833	C0024834				
 DR 22 	70 violet					C0024527			
 DR 26 	70 violet						C0024989		

MonoPlus®

Needle-thread combination
















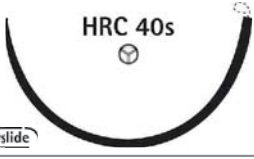

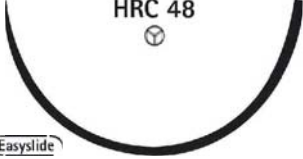

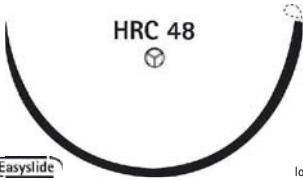


Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
5/8 circle round bodied needle									
 	70 violet					C0024571		C0024092	C0024111
 	70 90 violet					C0024835	C0024836 C0024936	C0024937	
 	70 violet								C0024110
 	90 violet						C0024780		
Hook round bodied needle									
 	120 violet							C0024169	C0024170
 	70 violet						C0024126		
Ski Needle round bodied needle									
 	30 violet						C0024165		
 	30 120 violet				C0024651 C0024649		C0024662 C0024664		
 	20 violet				C0024570	C0024572			
 	40 violet				C0024650	C0024606			

C Box of 36 units

B Box of 24 units























G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
Straight round bodied needle									
 GR 19 	30 35 violet				C0024247 C0024250	C0024245			
 GR 19b 	20 violet				C0024573				
 GR 19 <small>loop</small> 	40 violet				C0024240	C0024241			
 2xGR 19 	45 violet				C0024984	C0024985			
 2xGR 65 	70 violet					C0024895	C0024896	C0024897	C0024898
1/2 circle round bodied needle with short cutting point									
 2xHRC 17 	90 violet				C0024011				
 HRC 26 	70 violet				C0024498				
 HRC 40s <small>loop</small> 	150 violet								B0024739
 HRC 48 	90 violet								C0024261
 HRC 48 <small>loop</small> 	150 200 violet							B0024749	B0024750 B0024278
3/8 circle round bodied needle with short cutting point									
 2xDRC 8 	70 violet	C0024213							

MonoPlus®

Needle-thread combination













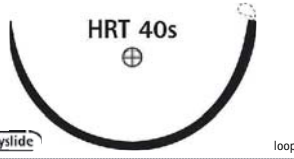



Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle round bodied needle with short cutting point									
 DRC 10 	70 violet	C0024221	C0024222						
 2xDRC 10 	70 violet	C0024721	C0024722						
 DRC 12 	70 violet		C0024232						
 2xDRC 12 	70 violet		C0024732	C0024733					
 DRC 18 	70 violet			C0024243					
Hook round bodied needle with short cutting point									
 JRC 30s 	70 violet							C0024168	C0024928
Progressive curved round bodied needle with short cutting point									
 PRC 24 	120 violet						C0024850		
1/2 circle round bodied needle with trocar point									
 HRT 13 	70 violet				C0024282				
 HRT 17 	70 violet			C0024283	C0024284	C0024285	C0024286		
 HRT 22 	70 violet				C0024294	C0024295			
 HRT 26 	70 violet				C0024304	C0024305	C0024306	C0024307	

C Box of 36 units

B Box of 24 units








G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle with trocar point									
 2xHRT 26 	70 90 violet					C0024605 C0024601			
 HRT 30 	70 violet						C0024311		
 HRT 37 	70 90 violet						C0024316	C0024517	C0024518
 HRT 37s 	70 90 violet						C0024321	C0024322	C0024818 C0024323
 HRT 40 	90 violet							C0024543	
 HRT 40s 	90 violet							C0024545	C0024546
 HRT 40s  loop	150 violet							B0024342	B0024343
 HRT 43s 	90 violet							C0024352	C0024353

MonoPlus®

Needle-thread combination




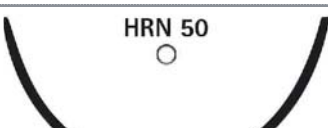




Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle round bodied needle with trocar point										
 HRT 43s Easyslide	90 violet									B0024354
 HRT 43s Easyslide loop	150 violet									B0024347
 HRT 48 Easyslide	90 violet							C0024332	C0024333	
 HRT 48 Easyslide loop	150 180 200 violet							B0024394	B0024393 B0024396 B0024392	B0024391
5/8 circle round bodied needle with trocar point										
 FRT 65 Easyslide loop	150 violet							B0024096	B0024390	
1/2 circle round bodied needle with blunt point										
 HRN 30 Easyslide	70 violet					C0024050				
 HRN 35 Easyslide	90 violet							C0024404		

C Box of 36 units

B Box of 24 units


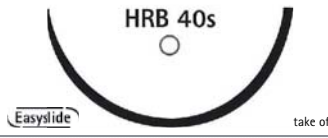

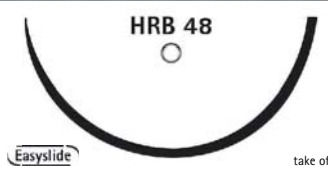
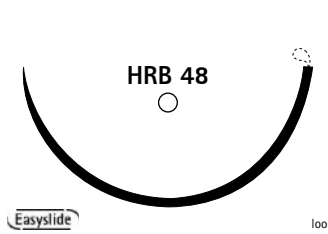




G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with blunt point									
 <p>HRN 35 take off</p>	8 x 45 violet						M0024052		
 <p>HRN 40</p>	90 violet						G0024409		
 <p>HRN 45</p>	90 violet							C0024406	
 <p>HRN 50</p>	90 violet								C0024408
 <p>HRN 50 loop</p>	150 violet						B0024357	B0024358	
 <p>HRN 65</p>	140 violet						B0024416		
1/2 circle round bodied needle with protection point									
 <p>HRB 26 take off</p>	8 x 45 violet				M0024796				
 <p>HRB 37s</p>	90 violet						C0024462		

MonoPlus®

Needle-thread combination



















Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle with protection point									
 HRB 37s take off	8 x 45 violet						M0024864	M0024865	M0024866
 HRB 40s take off	8 x 45 violet							M0024556	M0024557
 HRB 48	90 violet							C0024881	C0024877
 HRB 48 take off	8 x 45 violet							M0024875	M0024876
 HRB 48 loop	150 violet							B0024790	B0024878
 HRB 65	90 violet							B0024235	
1/2 circle reverse cutting needle									
 HS 15	70 violet		C0024179						
 HS 18	70 violet			C0024730					
 HS 23	70 violet				C0024190	C0024180			

C Box of 36 units

B Box of 24 units

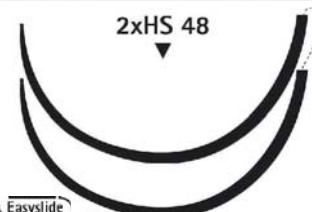

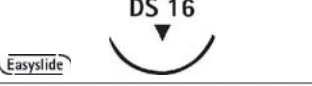





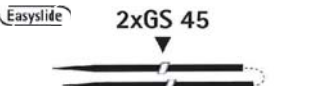
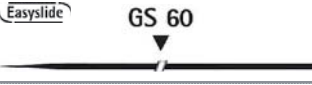
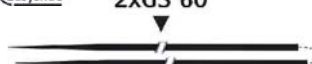
G Box of 12 units















M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
 HS 23ss 	70 violet								C0024108
 HS 26s 	70 90 120 violet				C0024185 C0024019 C0024023	C0024186 C0024017 C0024028	C0024187 C0024018 C0024021	C0024188	
 HS 30 	70 violet					C0024184	C0024195		
 HS 37 	90 violet					C0024104	C0024105	C0024106	
 HS 37s 	70 90 120 violet					C0024156 C0024114	C0024157 C0024115 C0024022	C0024158 C0024116 C0024031	
 HS 40 	90 violet						C0024117	C0024118	B0024119
 HS 40s 	70 90 violet					C0024121	C0024122		C0024560
 HS 40s  loop	150 violet					C0024966			
 HS 48 	70 90 violet						C0024127	C0024202 C0024128	

MonoPlus®

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
	90 violet								C0024630
3/8 circle reverse cutting needle									
	45 violet			C0024193					
	45 70 violet		C0024535	C0024906 C0024539					
	45 70 violet		C0024081 C0024175	C0024909 C0024536	C0024102 C0024519				
	45 70 violet			C0024541	C0024101 C0024520	C0024990			
	70 violet				C0024991	C0024992	C0024598		
	90 violet							C0024538	
	45 violet					C0024976			
Straight reverse cutting needle									
	45 violet			C0024994	C0024995				
	70 violet			C0024540	C0024189	B0024987			
	70 violet				C0024861				

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle with precision point									
 HSMP 9 	45 violet		C0024924						
 HSMP 15 	45 violet			C0024921					
3/8 circle reverse cutting needle with precision point									
 DSMP 11 	45 violet	C0024176	C0024177						
 DSMP 13 	45 violet	C0024407	C0024916	C0024908					
 DSMP 16 	45 violet		C0024194	C0024970					
 DSMP 19 	45 70 violet		C0024901	C0024907	C0024109 C0024151	C0024965			
 DSMP 24 	45 70 violet			C0024910 C0024983	C0024103 C0024986	C0024112 C0024988			

MonoPlus®

Needle-thread combination

	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
Pre-cut sutures									
2 threads of 70 cm	2 x 70 violet				C0044200	C0044205			
1 thread of 90 cm	1 x 90 violet				C0044198				

Monomax[®]

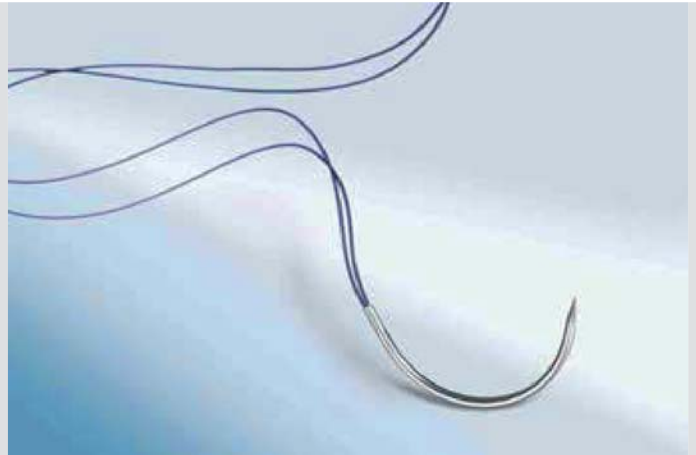
Absorbable Sutures

DESCRIPTION

Monomax[®] is an extra long-term absorbable monofilament synthetic suture made of poly-4-hydroxybutyrate. Monomax[®] degrades by hydrolysis and enzymatic reaction and provides a predictable and reliable longterm absorption.

INDICATION

- Closure of the abdominal wall



ADVANTAGES

- Outstanding degradation profile for abdominal wall closure
- "Shock-Z" – unique extra elasticity
- Unique handling features
- Good adaptation to wound edges

Monomax[®]

Product overview

Structure

Monofilament



Colour

Violet

Chemical composition

Poly-4 hydroxybutyrate

Coating

Uncoated

Origin

Synthetic

Sizes

USP 3/0 (metric 2) to USP 1 (metric 4)

Type of absorption























By hydrolysis and enzymatic reaction

Sterilisation

Ethylene oxide

Monomax[®]

Needle-thread combination




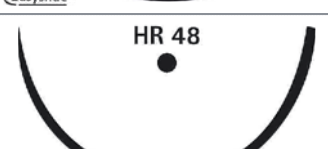



Needle length mm	Thread length cm colour	USP (metric)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
1/2 circle round bodied needle										
 HR 17 	70 violet			B0041982						
 HR 22 	70 violet				B0041415	B0041416				
 HR 22s 	70 violet					B0041033				
 HR 26 	70 90 150 violet			B0041092	B0041249 B0041258 B0041444	B0041250 B0041441				
 HR 26s 	70 150 violet			B0041112		B0041002 B0041442				
 HR 30 	70 90 150 violet			B0041124	B0041267 B0041278 B0041453	B0041455	B0041269 B0041280			
 HR 37 	70 90 violet				B0041015		B0041024	B0041025		
 HR 37 	150 violet						B0041038			
 HR 37s 	70 90 150 violet			B0041153	B0041034	B0041035 B0041046 B0041043	B0041036 B0041047			
 HR 40 	70 90 violet				B0041057		B0041066	B0041067		
 HR 40s 	70 90 violet				B0041086	B0041087 B0041097	B0041088 B0041098			

C Box of 36 units

B Box of 24 units



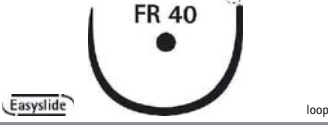
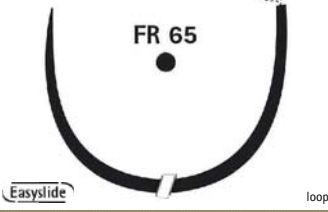




G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
1/2 circle round bodied needle										
 <p>HR 40s</p> <p>EasySlide</p> <p>loop</p>	150 200 violet					B0041076	B0041077 B0041079			
 <p>HR 43</p> <p>EasySlide</p>	70 violet					B0041298				
 <p>HR 43s</p> <p>EasySlide</p>	90 violet					B0041107	B0041108			
 <p>HR 48</p> <p>EasySlide</p>	70 90 violet				B0041128	B0041137	B0041138			
 <p>HR 48</p> <p>EasySlide</p> <p>loop</p>	150 200 violet				B0041117	B0041118				
 <p>HR 65</p> <p>EasySlide</p>	90 violet						B0041003			
 <p>HR 65</p> <p>EasySlide</p> <p>loop</p>	150 violet					B0041147	B0041148			

Monomax[®]

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
1/2 circle round bodied needle										
	150 violet							B0041157		
5/8 circle round bodied needle										
	70 violet				B0041887	B0041888	B0041889			
	70 90 violet						B0041571 B0041573			
	150 violet						B0041001			
Hook round bodied needle with short cutting point										
	70 violet						B0041560			
1/2 circle round bodied needle with trocar point										
	70 violet				B0041175	B0041176				
	150 violet				B0041472					
	70 90 violet					B0041352	B0041344			

C Box of 36 units


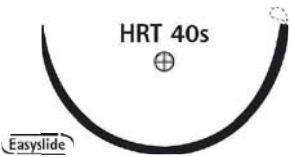

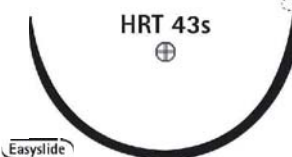


B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)

1/2 circle round bodied needle with trocar point


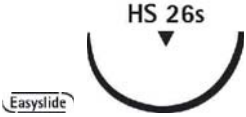




 HRT 40s EasySlide	90 violet							B0041194	
 HRT 40s EasySlide	150 violet						B0041184	B0041185	
 HRT 43s EasySlide	90 violet							B0041212	
 HRT 43s EasySlide	150 violet							B0041203	
 HRT 48 EasySlide	90 violet						B0041240	B0041241	
 HRT 48 EasySlide	120 150 180 200 violet						B0041221 B0041433	B0041310 B0041222 B0041434 B0041231	

5/8 circle round bodied needle with trocar point

 FRT 65 EasySlide	150 violet						B0041005	B0041006	
--	---------------	--	--	--	--	--	----------	----------	--

Monomax[®]

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
1/2 circle round bodied needle with blunt point										
 <p>HRN 50 loop</p>	150 violet							B0041166		
1/2 circle reverse cutting needle										
 <p>HS 26s</p>	70 violet			B0041348						
3/8 circle reverse cutting needle										
 <p>DS 19</p>	45 violet			B0041845						
 <p>DS 24</p>	45 violet			B0041855						
3/8 circle reverse cutting needle with precision point										
 <p>DSMP 19</p>	45 violet			B0041863						
 <p>DSMP 24</p>	45 violet			B0041879						

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

NON-ABSORBABLE SUTURES

Optilene®

Premilene®

PremiCron®

Dafilon®

Trelon®

Supramid

Dagrofil®

Silkam®

Steelex®

NON-ABSORBABLE SUTURES



Optilene®

Non-absorbable sutures

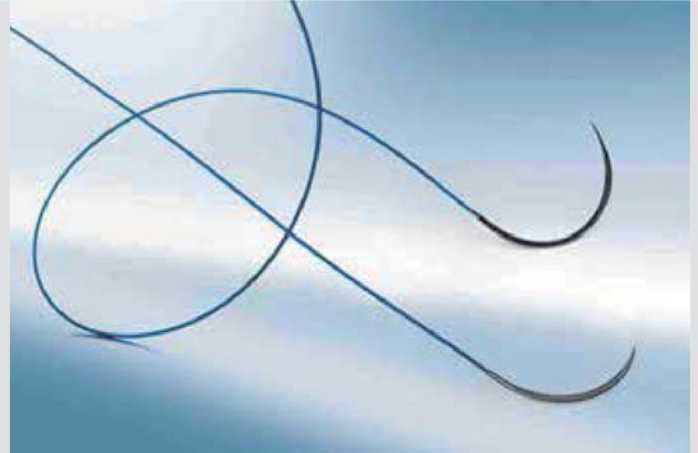
DESCRIPTION

Optilene® is a sterile non-absorbable monofilament surgical suture made of polypropylene and polyethylene. Available in blue for a better visibility.

Optilene® is offered with RacePack® and LongPack® packaging presentations to reduce the memory effect. Other special presentations, including PremiPatch® PTFE pledgets, are also available.

INDICATION

- Cardiovascular surgery
- Neurosurgery
- Ophthalmology
- Microsurgery
- General soft tissue approximation



ADVANTAGES

- Top level consistent tensile strength
- Excellent surface and smoothness
- Controlled knot run down
- Small tissue drag; Re-engineered elasticity
- Controlled suture elongation Increased
- pliability
- Good handling and knot tightness
- Improved thread visibility
- Low memory effect
- CV Pass and CV Pass EasyBlack needles

Optilene®

Product overview

Structure

Monofilament

Colour

Blue

Chemical composition

Polypropylene and polyethylene

Coating

Uncoated

Origin

Synthetic

Sizes

USP 10/0 (0.2 metric) to USP 0 (3.5 metric)































Types of degradation

Non-absorbable

Sterilisation

Ethylene oxide






















Optilene®

Needle		Thread		USP (metric)							
length mm	diameter microns	length cm	colour	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	
3/8 circle round bodied needle with taper point (vascular)											
 	 140µm	2 x 45				G3095551					
		60				G3095050					
		2 x 60				G3095051					
		75				G3095060					
 	 200µm	75						G3095139			
 	 	75						G3095077	G3095079		
		90						G3095076	G3095078		
 	 	60						G3095201			
		 90								G3095746	
		 2 x 60							G3095269		
		 75							G3095133	G3095135	
		 2 x 75							G3095234		
		 90							G3095132	G3095134	
		2 x 90						G3095224	G3095225		
Progressive curved round bodied needle with taper point (vascular)											
 	 200µm	60						G3095155			
		75						G3090671	G3090670		
		 2 x 75							G3095154	G3095158	
1/2 circle round bodied needle micro needle											
 	 180° 200µm	30						G3090740	G3090741		
 	 180° 200µm	45						G3090742	G3090743		
3/8 circle round bodied needle micro needle											
 	 135° 70µm	10	G3090781								





































Needle				Thread	USP (metric)						
length mm	angle	diameter microns	length cm colour	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	
3/8 circle round bodied needle micro needle											
DRm 4s 	135°	140µm	15 blue			G3095547					
DRm 5 	135°	100µm	15 blue 23 blue	G3090782 G3090024							
2xDRm 5 	135°	100µm	5 blue 45 blue	G3090874	G3090482						
DRm 6 	135°	 140µm	12 blue 15 blue 45 blue			G3095307					
2xDRm 6 	135°	 140µm	12 blue 45 blue 60 blue			G3095309					
DRm 8 	135°	 140µm	15 blue 45 blue			G3090753 G3090025					
2xDRm 8 	135°	 140µm	45 blue 60 blue 75 blue			G3090983 G3090758 G3090026					
2xDRm 10b  		 200µm	45 blue					G3095149			
DRm 10b 	135°	 200µm	75 blue			G3090784	G3090785				
2xDRm 10b 	135°	 200µm	45 blue 75 blue			G3095107	G3090610				
Progressive curved round bodied needle micro needle											
PRm 5 	100°/ 90°	100µm	13 blue		G3090662						

Optilene®

Needle		Thread	USP (metric)							
length mm	diameter microns		length cm	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)
3/8 circle round bodied needle with short cutting point (vas)										
	2xDRCmV 10b 	 200µm	75 blue				G3095685	G3095672		
Progressive curved round bodied needle with short cutting point (vas)										
	2xPRCmV 10b 	 200µm	60 75 blue				G3090647 G3090669	G3090668		
3/8 circle round bodied needle with short cutting point (mic)										
	2xDRCm 6 	 140µm	75 45 60 blue			G3095277 G3090814 G3090702				
	2xDRCm 8 	 140µm	45 60 75 blue			G3095216 G3095249 G3095284				
	DRCm 10b 	135°  200µm	75 blue					G3090768		
	2xDRCm 10b 	135°  200µm	45 60 75 blue				G3090832 G3090755 G3090694	G3090693		
Progressive curved round bodied needle with short cutting point (mic)										
	PRCm 5 	100°/90°  100µm	13 60 blue	G3095677	G3090664					
	2xPRCm 6 	100°/95°  140µm	60 blue			G3090698				
	PRCm 10b 	95°/90°  200µm	75 blue				G3095765			
1/2 circle lancet micro needle										
	HLm 6 	160°  150µm	10 blue	G3090873						
	2xHLm 6 	160°  150µm	30 blue	G3090775						

Needle			Thread	USP (metric)						
length mm	angle	diameter microns	length cm colour	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)
3/8 circle lancet micro needle										
2xDLm 5 	140°	150µm	30 blue	G3090589						
DLm 6 	140°	150µm	15 blue	G3090590						
2xDLm 6 	140°	150µm	15 blue	G3095548 G3090591		G3090638				
DLm 6s 	137°	200µm	15 blue	G3090593	G3090594	G3090595				
2xDLm 6s 	137°	200µm	15 blue	G3090596	G3090846 G3090597					
1/8 circle lancet micro needle										
SLm 6 	44°	150µm	8 blue	G3090777	G3090778					
Straight lancet micro needle										
GLm 16 		150µm	23 blue	G3095068	G3095705					
2xGLm 16 		150µm	23 blue	G3095480	G3095481					
1/4 circle lancet needle with micro-point										
2xVLM 8  			30 blue					G3090316	G3095390	
1/8 circle lancet needle with micro-point										
2xSLm 6  			30 blue						C3095129	
1/2 circle round bodied needle										
HR 6  			30 blue				C3090603	C3090604		
2xHR 6  			45 blue				C3090803			
			60 blue			G3090016				

Optilene®


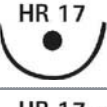

Needle length mm	Thread length cm colour	USP (metric)						
		10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)
1/2 circle round bodied needle								
2xHR 8 	 60 blue						C3090865	
	 2 x 60 blue						G3095865	G3095866
								
HR 10f 	 75 blue						C3095861	
								
2xHR 10f 	 2 x 75 blue						G3095858	
								
HR 10 	 60 75 blue					C3090401	C3095498 C3090402	C3090403
	 2 x 60 2 x 75 blue						C3090488 C3090867	C3090866 C3090869
								
2xHR 10 	 60 75 blue							C3090866 C3090869
	 2 x 60 2 x 75 blue						G3095878	G3090770
								
2xHR 13ff 	 75 blue						C3095341	C3095346
								
HR 13f 	 75 blue							C3095349
								
2xHR 13f 	 45 75 90 blue						C3095120 C3095123	C3095124 C3095792
	 2 x 75 4 x 75 blue						G3095127	G3095128 G3095126
	 75 blue						C3095666	C3095653
								
HR 13 	 75 blue						C3090499	C3090500
	 2 x 75 blue							G3095095
								
2xHR 13 	 45 60 75 blue						C3090853 C3095935 C3090953	C3090839 C3090934 C3090954
								C3090933
							C3090060	
								

C Box of 36 units

B Box of 24 units

G Box of 12 units






























M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	
1/2 circle round bodied needle									
 2xHR 13		75				C3090750	C3090045		
		90 blue							
  2xHR 13b		2 x 60		G3090146					
		2 x 75 blue	G3090625		G3095010				
  2xHR 17f		75	C3095448	C3095449					
		90 blue			C3095501 C3095992	C3096001			
  HR 17		75					C3090038		
		90 blue		C3090012	C3090013	C3090014			
  HR 17		90 blue			C3090413				
		75							
 2xHR 17		90	C3090898	C3090501 C3090901	C3090503 C3090902 C3090904	C3090502 C3090903	C3090900		
		120 blue							
		 Pledgets 6x3mm Firm	90 blue			C3090837			
		 Pledgets 3x3mm Soft	75 blue			C3095318			
		 Pledgets 6x3mm Soft	90 blue			C3095327			
		2 x 75					G3095183		
		2 x 90 4 x 90 blue			G3090642 G3095868	G3090194	G3090644		
  2xHR 17b		75		C3095460	C3095461				
		90		C3095492	C3095493	C3095494			
		120 blue				C3095994			
  2xHR 17		90 blue		C3095660	C3095643				

 RacePack® packaging

 LongPack packaging

Optilene®





























Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
 	 90 blue		C3090223	C3090338	C3090426			
	 75 90 blue			C3095503 C3095526				
 	 60 75 blue			C3090029	C3095720 C3090030			
	  20 blue					C3090994		
 	  20 blue				C3095412			
	 60 75 90 120 blue		C3090084 C3090975	C3090863 C3090976 C3090876	C3090860 C3090977	C3090086 C3090978 C3095276		
 	  90 blue			C3090979				
	  40 blue				C3095387			
	  90 blue				C3095336			
 2 x 75 2 x 90 blue				G3095620	G3095616			
 	 75 90 blue			C3095512	C3095508 C3095513			
 	 90 blue			C3095541				

C Box of 36 units




























B Box of 24 units











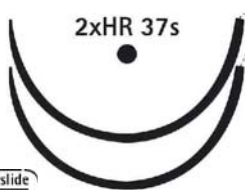














G Box of 12 units

M Box of 6 units

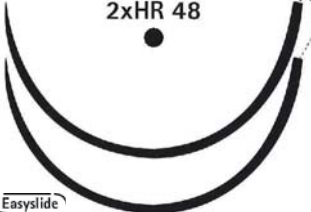

















Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
 	 90 blue				C3095611			
 	 90 blue				C3095606	C3095596		
	 75 90 120 blue		C3090039 C3090037	C3090040 C3090140	C3090041	C3090042	C3090043 C3090444	C3090572
	  20 blue						C3090995	
	   20 blue						C3095417	
	 75 90 120 blue		C3090906 C3090905	C3090707 C3090907 C3095709	C3090708 C3090908 C3090709	C3090087 C3090909 C3095710		
	  90 blue				C3090910	C3090838		
	  90 blue					C3095347	C3095392	
  2 x 90 120 blue				G3090633	G3090631 G3090109			
 	 75 90 blue				C3095721 C3095557	C3095558	C3095723	
	 2 x 90 blue				G3095993			
 	 90 120 blue				C3095647	C3095635		

















Optilene®

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
 2xHR 26b 	 90 blue				C3095688			
 HR 26s 	 75 blue					C3090015	C3095442	C3095443
 2xHR 26s 	 120 blue					C3090959	C3090956	
 HR 26ss 	 75 blue						C3090032	C3095444
 HR 30 	 45 blue						C3090069	
	 75 blue					C3090046		
	 75 90 120 blue						C3090047 C3095927 C3090144	C3090048 C3090477
	 90 120 blue						C3090001 C3090462	C3090002
 2xHR 30 	 90 120 blue							
 HR 30s 	 75 100 blue							C3090092 C3090096
 HR 30ss 	 75 blue							C3090094



















Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
 HR 37 		75				C3090050	C3090051	C3090052
		90 blue				C3095797	C3095791	C3095789
 2xHR 37 	 	90				C3090942	C3090943	C3095054
		120 blue				C3090981	C3090973	
 HR 37s 		75				C3090150	C3090151	C3090152
		120 blue					C3090154	
 2xHR 37s 		90				C3090982		
		120 blue				C3090971	C3090972	
 HR 40 		75						C3090021
		100 blue						
 HR 40s 		75					C3090033	C3090199
		100 blue						
 HR 40ss 		100						C3090106
		blue						
 HR 48 		75						C3095445
		blue						































Optilene®

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
 2xHR 48 Easyslide	 120 blue							G3090932
Needle length mm	Thread length cm colour	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle								
 DR 6 CV Pass	 45 blue C3090110							
 2xDR 6 CV Pass	 45 60 75 blue C3090880 C3090712 C3090980		C3095015 C3095286	C3095110				
 2xDR 6b CV Pass	 2 x 45 2 x 60 blue G3095841 G3090357							
 2xDR 6 Easyslide	 45 60 75 blue C3095857 C3095835 C3095834							
 2xDR 6 Easyslide	 60 blue C3095669							
 2xDR 8f CV Pass	 45 60 blue C3090107 C3090105		C3090079 C3090088					
 2xDR 8fb CV Pass	 2 x 45 2 x 60 2 x 75 blue G3090118 G3090121 G3090124 G3090127 G3090130							
 2xDR 8fb CV Pass	 45 60 blue C3095824 C3095829		C3095826 C3095832					
























Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	
3/8 circle round bodied needle									
2xDR 8 		12		C3095870					
		45	C3090703	C3090685	C3090686	C3090684			
		60	C3090887	C3090888	C3090889				
		75	C3090004	C3090885	C3090886				
	blue								
		2 x 45	G3090361	G3090362	G3090399				
2 x 60		G3090363	G3090364						
75			G3090089						
2 x 75		G3090892	G3095080						
blue									
2xDR 8b 		45	C3095805						
		60	C3095817	C3095819	C3095821				
		75	C3095822	C3095823	C3090599				
		blue							
DR 10f 		75		C3095084	C3095431				
		blue							
2xDR 10f 		45	C3090126	C3090134	C3095565				
		60	C3090128	C3090135	C3095477				
		75	C3090131	C3090136	C3095430				
		90			C3095576				
	blue								
		75			C3095433				
blue									
	75			C3095308					
	blue								
	2 x 45		G3090218						
	2 x 60		G3095485	G3095801					
	2 x 75	G3090216	G3095429						
	blue								
2xDR 10fb 		60		C3095764					
		75		C3095838					
		blue							
DR 10 		75		C3090541	C3090542				
		blue							































Optilene®

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle								
		45		C3090614	C3090615			
		60		C3090714	C3090715	C3090522		
		75		C3090914	C3090915	C3090913		
		90		C3090799	C3090815			
		blue						
		75			C3095306			
		2 x 45			G3090636			
		4 x 45		G3090369				
		2 x 60		G3090611	G3090613			
		4 x 60		G3090371				
	2 x 75		G3095810	G3095811				
	4 x 75		G3090373					
	blue							
								
		45		C3090164				
		60		C3090062	C3095816			
		75		C3095812	C3095843			
								
		75			C3095679			
		blue						
		75			C3095930	C3095931	C3095932	
		90				C3095022		
		blue						
								
		45		C3095885	C3095886	C3095887		
		60		C3095894	C3095895	C3095896		
		75		C3095905	C3095906	C3095907	C3095908	
		90			C3095938	C3095939	C3095940	
		120					C3095658	
	blue							
		75				C3096173		
		2 x 45			G3095957			
		2 x 60			G3095970			
		4 x 60			G3095571			
75				G3095472				
	2 x 75			G3095979	G3095980			
	4 x 75			G3095582				
	blue							
								









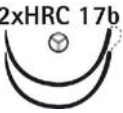















Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle								
 2xDR 13b  	60				C3095926	C3095609		
	75				C3090191	C3090547		
	90				C3095839	C3095840		
	120 blue						C3095997	
 2xDR 13  	75				C3095667	C3095687		
	90 blue					C3095661		
 2xDR 13s  	45				C3095036			
	60				C3095032	C3095033		
	75				C3095026	C3095027		
	90 blue					C3095021		
 2xDR 15  	2 x 60		G3095012		G3095016			
	2 x 75				G3095011			
	2 x 90 blue					G3095009		
 DR 18  	90 blue				C3090716	C3090717		
	75 blue					C3090119	C3090120	C3095057
 DR 18   	20 blue					C3090990		
	60					C3095918		C3095920
 2xDR 18    	75				C3090719	C3090720		
	90				C3090919	C3090920		C3095921
	120 blue							C3095092
	90 blue						C3095215	
	75 blue						C3095312	
	90 blue						C3095316	
 2xDR 18b  	4 x 75				G3090394			
	2 x 90 blue					G3095659	G3090659	
 2xDR 18b  	90					C3095242		
	120						C3095656	
	blue							

Optilene®

Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	
3/8 circle round bodied needle									
  2xDR 18	 90 blue					C3095683			
							C3090085 C3090123		
  DR 22	  20 blue					C3090991	C3090992		
									C3095396
  2xDR 22	 75 90 120 blue					C3090722 C3090822	C3090723 C3090823	C3090721 C3090824 C3095114	
									C3090132
  DR 26	  20 blue						C3090993		
									C3095398
  2xDR 26	 75 blue						C3090724	C3090725	
3/8 circle round bodied needle									
  DR 32	 75 blue						C3090082	C3090083	
5/8 circle round bodied needle									
  FR 26	 75 blue							C3095360	

Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
5/8 circle round bodied needle								
 FR 26 	  75 blue							C3090066
Hook round bodied needle								
 JR 30s 	 100 blue							C3090098
Ski Needle round bodied needle								
 SKR 26 	 20 30 blue				C3095421	C3090422		C3095415
Straight round bodied needle								
 GR 19 	 45 blue			C3090466				
 2xGR 19 	 30 blue				C3090776			
 2xGR 65 	 75 blue						C3095350	C3095351
1/2 circle round bodied needle with short cutting point								
 2xHRC 10	 60 75 blue			C3095495 C3095205				
	 2 x 60 blue	G3095793	G3095794					
 2xHRC 13	 60 75 90 blue		C3095042 C3095039 C3095020	C3095045 C3090303 C3091098	C3090145			
	 2 x 60 2 x 75 blue		G3090195 G3095313	G3095043	G3095047			
 2xHRC 17f	 75 90 blue			C3095996 C3095599	C3096002			
				C3090560	C3090561	C3090579		
 HRC 17	 75 blue							

Optilene®







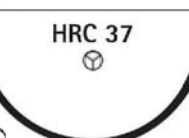









Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
1/2 circle round bodied needle with short cutting point									
 2xHRC 17		75			C3090695	C3090704	C3090711		
		90			C3090570	C3090571	C3090800	C3095052	
		120						C3095668	
		blue							
  Pledgets 6x3mm Firm	  Pledgets 6x3mm Soft	90				C3095368			
		blue							
		2 x 90			G3095168	G3095169	G3095182		
		blue							
 2xHRC 17b		75			C3095569	C3095570			
		90			C3095580	C3095581			
		blue							
		90				C3095638			
		blue							
		90				C3095594			
		blue							
		75				C3090565	C3090566	C3095572	
		blue							
 2xHRC 22		75			C3095059				
		90				C3090580	C3090581		
		120					C3095066		
		blue							
		2 x 90				G3095162			
		blue							
		75					C3095574		
		90				C3095592	C3095593		
		blue							
		75				C3090472	C3090473	C3090474	C3095796
		90					C3095787		
blue									

C Box of 36 units

B Box of 24 units

G Box of 12 units



M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
1/2 circle round bodied needle with short cutting point									
		75			C3090806		C3090808		
		90				C3090811	C3090812	C3095825	C3095779
		120				C3095771	C3090820	C3095140	
		blue							
	 Pledgets 6x3mm Soft	90					C3095377		
		blue							
		2 x 75				G3095759			
		2 x 90					G3095760	G3095761	
		4 x 90					G3095751		
		2 x 120					G3095820		
		blue							
		75					C3095737	C3095738	
		90				C3095607	C3095608	C3095597	C3095598
		120							
		blue							
		90					C3095637	C3095614	
		blue							
		90					C3090584	C3090585	
		blue							
		75						C3095525	C3095048
		90							C3095413
		100							C3095411
		blue							
		90					C3095414	C3095562	C3095407
		120					C3095533		
		blue							
		75							C3095995
		blue							

Optilene®

















Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)































1/2 circle round bodied needle with short cutting point

		90							
		blue							C3090830




















Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)


































3/8 circle round bodied needle with short cutting point

		45	C3095209	C3095219				
		60	C3095246	C3095251				
		75	C3095272	C3095288				
		60	C3091009					
		75	C3091010					
		45		C3095700				
		75		C3095813				
		45	C3095211	C3095231	C3090172			
		60	C3095025	C3095046				
		75	C3090169	C3090176				
		2 x 60	G3095178	G3095179				
		2 x 75	G3090168					
		60	C3091011	C3091008				
		75	C3091012	C3095768				
		75		C3090538	C3090539			
		blue						

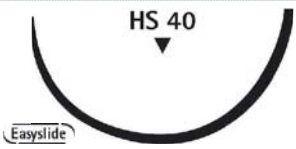


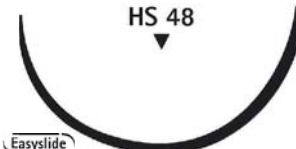








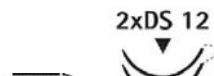


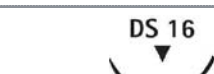

















Needle length mm	Thread length cm colour	USP (metric)								
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)		
3/8 circle round bodied needle with short cutting point										
2xDRC 10 		45	C3090116	C3090548	C3090553	C3090930				
		60		C3090544	C3090543					
		75		C3090545	C3090546					
		90 blue								
		2 x 60		G3090179	G3090202					
		75		G3095180						
		2 x 75 blue		G3095560	G3095561					
2xDRC 10b 		60	C3095462	C3090577	C3090578					
		75 blue		C3090516						
2xDRC 10 		75 blue		C3095697	C3095680					
										
2xDRC 10s 		75 blue		C3095324						
										
DRC 13 		75 blue			C3095144	C3095145	C3095531			
										
2xDRC 13 		45		C3095244	C3095173					
		60		C3095268	C3095271					
		75		C3095301	C3095175				C3095141	C3096165
		90 blue		C3095303	C3095305				C3095171	
		2 x 45			G3095174					
		2 x 75			G3095176	G3095177	G3095181			
		2 x 90 blue				G3095172				
2xDRC 13b 		75			C3095836	C3095315				
		90 blue				C3095311				
2xDRC 13 		75 blue			C3095673	C3095671				
										
2xDRC 13s 		75 blue				C3095334				
										
DRC 15 		75 blue			C3095520	C3095523				
										

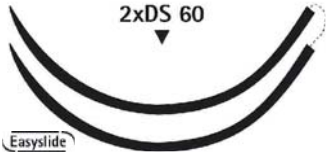




















Optilene®

Needle		Thread length cm colour	USP (metric)						
length mm	8/0 (0.4)		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	
3/8 circle round bodied needle with short cutting point									
	2xDRC 15 	75 90 blue			C3095559	C3095756 C3090728			
	DRC 18 	75 blue				C3095164	C3095165	C3095166	
	DRC 18 	30 blue					C3095456		
	2xDRC 18 	75 90 blue				C3095194 C3090525	C3095195 C3090526	C3090527	
		 2 x 90 blue						G3095222	
	2xDRC 18b 	90 blue				C3095438	C3095439		
	2xDRC 22 	90 120 blue					C3090535 C3095564	C3090536	
	DRC 26 	75 120 blue						C3095645	
	2xDRC 26 	75					C3095631	C3095634	
		90					C3095630	C3095633	C3095636
		120 blue					C3095629	C3095632	C3095612
Needle		Thread length cm colour	USP (metric)						
length mm	7/0 (0.5)		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
Hook round bodied needle with short cutting point									
	JRC 30s 	100 blue						C3090963	






















Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
Progressive curved round bodied needle with short cutting point								
 2xPRC 10 	 2 x 75 blue	G3095053						
 PRC 13 	 75 blue		C3095096					
 2xPRC 13 	 75 90 blue		C3095097 C3095100	C3095101 C3095103				
 2xPRC 13b 	 75 blue		C3095701					
 PRC 24 	 120 blue						C3095150	
1/2 circle reverse cutting needle								
 HS 15 	 75 blue				C3090259			
 HS 18 	 45 blue			C3090264				
 HS 21 	 45 75 blue				C3095775 C3090460	C3090261 C3090461		
 HS 26 	 75 90 120 blue					C3090269	C3090270 C3095958 C3095959	C3090271
 HS 30 	 75 blue					C3090274	C3090275	C3090276
 HS 37 	 75 blue						C3090279	C3090280

Optilene®

Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
1/2 circle reverse cutting needle								
 HS 40 	 75 100 blue						C3090273	C3090281 C3095912
 HS 48 	 75 blue							C3095329
3/8 circle reverse cutting needle								
 DS 9 	 45 blue		C3090204					
 DS 12 	 45 75 blue		C3090206 C3095543	C3090207	C3090208	C3090205		
 2xDS 12 	 60 blue		C3090829					
 DS 16 	 45 75 blue		C3090211	C3090212 C3090512	C3090213 C3090513	C3090214 C3090514		
 DS 19 	 30 45 75 blue		C3095400	C3090219 C3090519	C3090420 C3090220 C3090520	C3090421 C3090221 C3090521	C3090222 C3095522	
 DS 24 	 45 75 blue			C3090233	C3090434 C3090234	C3090435 C3090235	C3090436 C3090236	C3090237
 DS 30 	 45 75 blue				C3090445 C3090245	C3090446 C3090246	C3090447 C3090247	C3090248
 DS 35 	 75 blue					C3090230		
 DS 39 	 75 90 100 blue					C3090254 C3090020	C3090255	C3090256
							C3090249	

Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle reverse cutting needle								
 2xDS 60 	 75 blue							B3090751
Straight reverse cutting needle								
 GS 13 	 45 blue				C3095385			
 GS 51 	 75 blue					C3090284	C3090285	
 GS 60 	 75 blue					C3090265	C3090266	C3090267
 2xGS 60 	 75 blue					C3090881	C3090882	
1/2 circle reverse cutting needle with precision point								
 HSMP 12 	 45 75 blue			C3090027	C3095717 C3095718	C3095706 C3095708		
 HSMP 15 	 45 blue				C3090511			

Optilene®

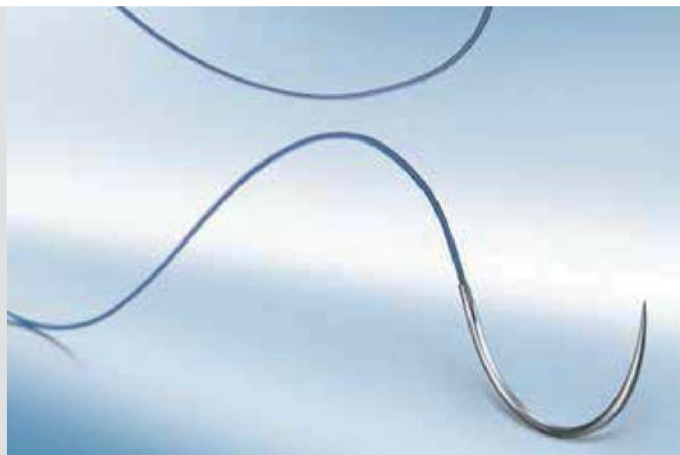
Needle		Thread	USP (metric)							
length mm	length cm colour		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
3/8 circle reverse cutting needle with precision point										
	DSMP 7 		45 blue	C3090612	C3095613					
	DSMP 9 		45 blue		C3090641					
	DSMP 11 		45 75 blue	C3090606 C3090406	C3090607 C3090407	C3090608				
	DSMP 13 		45 75 blue	C3090617	C3090618	C3090619 C3090409	C3090620 C3090410	C3090077		
	DSMP 16 		45 75 blue		C3090628 C3090428	C3090629 C3090429	C3090630 C3090427	C3090481		
	DSMP 19 		45 75 blue			C3090675 C3090672	C3090676 C3090673	C3090677 C3090674	C3090678	
	DSMP 24 		45 75 blue			C3095654	C3090655 C3090680	C3090656 C3090681	C3090657 C3090682	
	DSMP 30 		45 75 blue					C3090690	C3090691	C3090667 C3090692
	DSMP 39 		75 blue					C3095960		

Premilene®

Non-absorbable sutures

DESCRIPTION

Premilene® is a non-absorbable synthetic monofilament suture made of polypropylene, available in blue to enhance visibility. Premilene® is offered with RacePack® and LongPack® packaging presentations to reduce the memory effect. Other special presentations, including PremiPatch® PTFE pledgets, are also available.



Premilene®

Product overview

Structure Monofilament



Colour Blue

Chemical composition Polypropylene

Coating Uncoated



























Origin Synthetic















Sizes USP 10/0 (metric 0.2) to USP 2 (metric 5)

Type of absorption Non-absorbable

Sterilisation Ethylene oxide

Premilene®

Needle		Thread	USP (metric)						
length mm	diameter microns	length cm colour	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)
3/8 circle round bodied needle with taper point (vascular)									
	 140µm	75 blue					G2095086		
		45 2 x 45					G0095030 G0095031 G0095040 G0095041		
		60 2 x 60							
		 blue							
									
	 140µm	2 x 45 60					G0095551 G0095050 G0095051 G0095060 G0095061		
		2 x 60 75							
		2 x 75 blue							
		 140µm							
									
	 200µm	75 blue					G2095469		
		 2 x 75 blue					G0095986		
	 200µm	45 60 75 blue					G2095093 G2095094 G2095139		
		2 x 60 75					G0095108		
		 2 x 75 blue					G0090064 G0090988		
									
	 200µm	75 90 blue					G0095077 G0095076	G0095079 G0095078	
									
	 200µm	60 blue					G2095201		
		 90 blue						G2095746	
		2 x 60 75						G0095270	
		2 x 75 90						G0095133 G0095234 G0095132 G0095224	G0095135 G0095235 G0095134 G0095225
		 2 x 90 blue							
									
Progressive curved round bodied needle with taper point (vascular)									
	 200µm	45 60 75 blue					G2090760 G2090761 G2090671	G2090670	
									

Needle				Thread	USP (metric)						
length mm	angle	diameter microns	length cm colour	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	
1/2 circle round bodied needle micro needle											
HRm 6 	180°	 200µm	30 blue				G2090740	G2090741			
			30 blue				G0090740	G0090741			
2xHRm 6 	180°	 200µm	45 blue				G2090742	G2090743			
			45 blue				G0090742	G0090743			
3/8 circle round bodied needle micro needle											
DRm 4 	135°	70µm	10 blue	G0090781							
DRm 4s 	135°	140µm	15 blue			G0095547					
DRm 5 	135°	100µm	15 23 blue	G0090782 G0090024							
2xDRm 5 	135°	100µm	5 45 blue	G0090874		G0090482					
			12 45 60 75 blue			C2095307 G2090883					
DRm 6 	135°	 140µm	15 45 blue			G0090783					
			12 45 60 75 blue			G2095309 G2090780 G2090609 G2095035					
2xDRm 6 	135°	 140µm	45 60 blue				G0090780 G0090609				
			2 x 45 2 x 60 blue				G0090893 G0090897				
DRm 8 	135°	 140µm	15 45 blue				G2090753 G2090025				

Premilene®

Needle			Thread length cm colour	USP (metric)							
length mm	angle	diameter microns		10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	
3/8 circle round bodied needle micro needle											
 2xDRm 8	135°	 140µm	45								
			60					G2090983			
			75					G2090758			
			blue								
 2xDRm 10b		 200µm	45						G2095149		
			blue								
 DRm 10b	135°	 200µm	75					G2090784	G2090785		
			blue								
 2xDRm 10b	135°	 200µm	45					G2090610			
			60					G2090986	G2090987		
			75				G2095107	G2090786	G2090787		
			blue								
Progressive curved round bodied needle micro needle											
 PRm 5	100°/ 90°	100µm	13								
			blue					G0090662			
 2xPRm 6	100°/ 95°	 140µm	60								
			blue					G2090689			
3/8 circle round bodied needle with short cutting point (vas)											
 2xDRCmV 10b		 200µm	2 x 75						G0095695	G0095692	
			blue								
Progressive curved round bodied needle with short cutting point (vas)											
 2xPRCmV 10b		 200µm	75						G2090669	G2090668	
			blue								
 2xPRCmV 10b		 Long back 200µm	2 x 75						G0095109		
			blue								
3/8 circle round bodied needle with short cutting point (mic)											
 2xDRCm 6		 140µm	75								
			45						G2095277		
			60						G2090814		
			blue						G2090702		
 2xDRCm 6			60						G0090702		
			blue								
 2xDRCm 8		 140µm	60								
			blue						G2095249		

C Box of 36 units


































B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle			Thread	USP (metric)						
length mm	angle	diameter microns	length cm colour	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)
3/8 circle round bodied needle with short cutting point (mic)										
DRCm 10b 	135°	 200µm	75 blue					G2090768		
2xDRCm 10b 	135°	 200µm	45 60 75 blue				G2090832 G2090755 G2090694	G2090693		
Progressive curved round bodied needle with short cutting point (mic)										
PRCm 5 	100°/ 90°	100µm	13 60 blue	G0095677	G0090664					
2xPRCm 6 	100°/ 95°	 140µm	60 blue			G2090698				
			60 blue			G0090698				
PRCm 10b 	95°/90°	 200µm	75 blue				G2095765			
1/2 circle lancet micro needle										
HLm 6 	160°	150µm	10 blue	G0090873						
2xHLm 6 	160°	150µm	30 blue	G0090775						
3/8 circle lancet micro needle										
2xDLm 5 	140°	150µm	30 blue	G0090589						
DLm 6 	140°	150µm	15 blue	G0090590						
2xDLm 6 	140°	150µm	15 30 blue	G0090591		G0090638				
DLm 6s 	137°	200µm	15 blue	G0090593	G0090594	G0090595				
2xDLm 6s 	137°	200µm	15 30 blue	G0090596	G0090846 G0090597					

Premilene®

























Needle			Thread		USP (metric)						
length mm	angle	diameter microns	length cm colour	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	
1/8 circle lancet micro needle											
	44°	150µm	8 blue	G0090777	G0090778						
Straight lancet micro needle											
		150µm	23 blue	G0095068	G0095705						
		150µm	23 blue	G0095480	G0095481						
1/2 circle round bodied needle											
			30 blue				C2090603	C2090604			
			45 blue				C2090803				
			60 blue			G0090016					
			60 blue					C2090865			
			2 x 60 blue						G0095866		
			75 blue					C2095861			
			2 x 75 blue					G0095858			
			60 75 blue				C2090401	C2095498 C2090402	C2090403		
			60 75 blue				C2090488 C2090867	C2090868	C2090866 C2090869		
			2 x 60 blue						G0090770		
			75 blue					C2095341			
			75 blue						C2095349		

C Box of 36 units









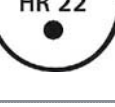







B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)
1/2 circle round bodied needle								
 2xHR 13f		45					C2095120	
		75					C2095123	C2095124
		90						C2095792
		blue						
		2 x 75					G0095127	G0095128
		4 x 75						G0095126
		blue						
 HR 13		75					C2090499	C2090500
		blue						
		2 x 75						G0095095
		blue						
		45				C2090036		C2090839
		60					C2095935	C2090934
		75				C2090060	C2090953	C2090954
		blue						
		45						
		60						
		75						
		blue						
Needle length mm	Thread length cm colour	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
 2xHR 13		75					C2090045	
		90			C2090750			
		blue						
		2 x 60		G0090146				
		2 x 75	G0090625		G0095010			
		blue						
		2 x 60						
		2 x 75						
		blue						
 2xHR 13b		75	C2095448	C2095449				
		blue						
		75						
		90		C2095501				
		blue		C2095992				
		2 x 90		G0095521				
		blue						
		2 x 90						
		blue						
 HR 17		45					C2090038	
		75		C2090012	C2090013	C2090014		
		blue						
		90			C2090413			
		blue						
		loop						

Premilene®


































Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	
1/2 circle round bodied needle									
 2xHR 17		75	C2090898	C2090501	C2090503	C2090502			
		90		C2090901	C2090902	C2090903			C2090900
		120			C2090904				
		blue							
 2xHR 17b		90			C2090837				
		2 x 75				G0095183			
		90			G0095455				
		2 x 90		G0090642	G0090194	G0090644			
 2xHR 20		90			C2090338				
		blue							
		2 x 90			G0095338				
		blue							
 2xHR 20b		75			C2095503				
		90			C2095526				
		blue							
		75			C2090029				
 HR 22		blue							
		2 x 75				G0095615			
		blue							
		60		C2090084					
 2xHR 22		75			C2090863	C2090860	C2090086		
		90		C2090975	C2090976	C2090977	C2090978		
		120			C2090876		C2095276		
		blue							
		90			C2090979				
		blue							
 2xHR 22		90							
		blue							
		2 x 75				G0095616			
		2 x 90			G0095620				
 2xHR 22		blue							
		2 x 90							
		blue							
		blue							

C Box of 36 units

























B Box of 24 units


























G Box of 12 units

M Box of 6 units












Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	
1/2 circle round bodied needle									
 		75			C2095507	C2095508			
		90 blue				C2095512	C2095513		
 	 take off	4 x 45 blue					G0090078		
 		45				C2090068			
		75		C2090039	C2090040	C2090041	C2090042	C2090043	
		90		C2090037	C2090140				
		120 blue					C2090444	C2095712	
 	 	20 blue				C2090995			
			75		C2090906	C2090707	C2090708	C2090087	
90			C2090905	C2090907	C2090908	C2090909			
120 blue				C2095709	C2090709	C2095710			
 	 	90 blue			C2090910	C2090838			
		 	90 blue			C2095347	C2095392		
				2 x 90 120 blue			G0090633	G0090631 G0090109	G0095732
 		75			C2095721		C2095723		
		90			C2095557	C2095558			
 		120 blue				C2095545	C2095546		
		2 x 90 blue			G0095993				
 		75				C2090015	C2095442	C2095443	C2095452
 		90				C2090911			
		120 blue					C2090959	C2090956	

Premilene®

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
  HR 26ss	 75 90 blue						C2090032	C2090449
  HR 30	 45 75 90 120 blue				C2090046	C2090047 C2095927 C2090144	C2090048 C2090477	C2090049
  2xHR 30	 90 120 blue				C2090001 C2090462	C2090002		
  HR 30s	 75 100 blue						C2090092 C2090096	C2090093
  HR 30ss	 75 blue						C2090094	
  HR 37	 75 blue				C2090050	C2090051	C2090052	C2090053
  2xHR 37	 90 120 blue				C2090942 C2090981	C2090943 C2090973	C2095054	
  HR 37s	 75 blue						C2090150 C2090151 C2090152	C2090153



























Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle								
 HR 37s 	 75 120 blue							C2095340
 2xHR 37s 	 120 blue		C2090971	C2090972				
	 120 blue				G0095406			
 HR 40 	 75 100 blue					C2090021 C2090099	C2090100	
 HR 40 	 loop 150 blue					B2095490		
 HR 40s 	 75 90 100 blue			C2090033		C2090199	C2090200 C2090300	C2090478
 HR 40s 	 loop 150 blue						B2090331	
 HR 40ss 	 100 blue					C2090106		
 HR 48 	 75 120 150 blue					C2095445	C2090170 C2095146 B2090333	

Premilene®

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle								
 <p>HR 48</p> <p>Easyslide</p>	 <p>loop</p>	150 blue				C2090332	B2095081	
 <p>2xHR 48</p> <p>Easyslide</p>	 <p>Long pack</p>	120 blue		G0090931	G0090932			
 <p>HR 65</p> <p>Easyslide</p>		120 150 blue					B2090485 B2095584	B2095585
 <p>HR 65</p> <p>Easyslide</p>		100 240 blue					B2095578 B2095674	
 <p>2xHR 70</p> <p>Easyslide</p>		75 blue					B2090841	
 <p>HR 76</p> <p>Easyslide</p>		150 blue					B0095587	

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle								
 DR 6 	 45 blue	C2090110						
2xDR 6 	 45 60 75 blue	C2090880 C2090712 C2090980	C2095015 C2095286	C2095110				
	 2 x 45 2 x 60 75 blue	G0095841 G0090357 G0090980						
								
2xDR 6b 	 45 60 75 blue	C2095857 C2095835 C2095834						
2xDR 8f 	 60	C2090105	C2090088					
	 2 x 45 2 x 60 blue	G0090118 G0090121	G0090124 G0090127					
								
2xDR 8fb 	 45 60 blue	C2095824 C2095829	C2095826 C2095832					
								
								
DR 8 	 45 blue		C2090034					
2xDR 8 	12		C2095870					
	45	C2090703	C2090685	C2090686	C2090684			
	60	C2090887	C2090888	C2090889				
	75	C2090004	C2090885	C2090886				
	 blue							
	 2 x 45 2 x 60 75 2 x 75 blue	G0090361 G0090363 G0090089 G0090892	G0090362 G0090364 G0090089 G0095080	G0090399				
								
2xDR 8b 	45	C2095805						
	60		C2095819	C2095821				
	75	C2095822	C2095823	C2090599				
	 blue							
								

Premilene®















Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle								
 DR 8 	12 blue		G0096010					
 DR 10f 	 75 blue		C2095084					
2xDR 10f 	 45 60 75 blue	C2090128	C2090134 C2090135 C2090136	C2095477 C2095430				
	  Pledgets 3x3mm Firm			C2095433				
	 2 x 45 2 x 60 2 x 75 blue		G0090218 G0095429	G0095566 G0095801				
 2xDR 10fb 	 60 75 blue		C2095764 C2095838					
 DR 10 	 75 blue		C2090541	C2090542				
2xDR 10 	45 60 75 90 blue		C2090614 C2090714 C2090914 C2090799	C2090615 C2090715 C2090915 C2090815	C2090522 C2090913			
	  Pledgets 3x3mm Soft			C2095306				
	2 x 45 4 x 45 2 x 60 4 x 60 2 x 75 blue		G0090369 G0090611 G0090371	G0090636 G0090613				
	 2 x 75 blue			G0095811				
 2xDR 10b 	 45 60 75 blue		C2090164 C2090062 C2095812	C2095816 C2095843				
 DR 12 	 45 75 blue		C2090528	C2090529	C2090114 C2090530	C2090531		

C Box of 36 units




























B Box of 24 units































G Box of 12 units

M Box of 6 units








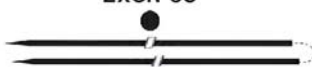



























Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	
3/8 circle round bodied needle									
		45		C2090818	C2090816	C2090817			
		60		C2090828	C2090705	C2090706			
		75		C2090922	C2090916	C2090917	C2090918		
		90 blue			C2090923	C2090924			
		 75 blue				C2090825			
		2 x 45 2 x 60 4 x 60 2 x 75 4 x 75 2 x 90 blue		G0095515					
			75			C2095930	C2095931		
			90 blue				C2095022		
			45		C2095885	C2095886	C2095896		
			60		C2095894	C2095895	C2095907	C2095908	
75				C2095905	C2095906	C2095907	C2095908		
90 blue					C2095938	C2095939	C2095940	C2095658	
		2 x 45 2 x 60 75 2 x 75 blue			G0095957 G0095970 G0095472 G0095979	G0095980			
									
			60		C2095926				
			75		C2090191	C2090547			
			90 blue		C2095839	C2095840		C2095997	
			75 blue				C2095056		

Premilene®

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle								
 2xDR 13s	 45 60 75 90 blue			C2095036 C2095032 C2095026		C2095033 C2095027 C2095021		
		 2 x 60 2 x 75 2 x 90 blue		G0095012	G0095011	G0095016 G0095009		
  2xDR 15	 90 blue				C2090716	C2090717		
  DR 18	 75 blue				C2090119	C2090120	C2095057	
	  Pledgets 3x3mm Firm	20 blue				C2090990		
  2xDR 18	 60 75 90 120 blue				C2095918 C2090719 C2090919	C2090720 C2090920	C2095920 C2095921	C2095092
	 4 x 75 2 x 90 blue				G0090394 G0095659			
  2xDR 18b	 90 120 blue				C2095242	C2095656		
  DR 22	 75 90 blue					C2090085 C2090123		
	  Pledgets 3x3mm Firm	20 blue				C2090991	C2090992	
  2xDR 22	 75 90 120 blue				C2090821	C2090722 C2090822	C2090723 C2090823	C2090721 C2090824 C2095114
	 4 x 75 blue					G0090397		

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle								
 DR 26	 75 blue							C2090132
  2xDR 26	  Pledgets 3x3mm Firm 20 blue							C2090993
  2xDR 26	 75 blue							C2090724 C2090725
  DR 32	 75 blue							C2090082 C2090083
Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
  DR 39	 90 blue							C2095534
  DR 48	 120 blue							C2095044
5/8 circle round bodied needle								
  FR 26	 75 blue							C2095360 C2090066
Hook round bodied needle								
  JR 30s	 100 blue							C2090098
Ski Needle round bodied needle								
  SKR 26	 20 30 blue				C2095421			C2095415
Progressive curved round bodied needle								
  PR 24	 30 blue loop							C2090243

Premilene®






























Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
Straight round bodied needle								
 GR 19 	 45 blue		C2090465	C2090466				
 2xGR 19 	 30 blue				C2090776			
 2xGR 65 	 75 blue						C2095350	C2095351
 2xGR 70 	75 blue						C0090771	
 2xGR 75 	75 blue						C0090797	
1/2 circle round bodied needle with short cutting point								
2xHRC 10 	 75 blue			C2095205				
 2xHRC 13 	 2 x 60 blue	G0095793	G0095794					
2xHRC 13 	75 90 blue		C2095039 C2095020	C2090303	C2090145			
 2xHRC 17f 	 2 x 75 blue		G0095276	G0095043	G0095047			
 HRC 17 	 75 blue			C2095996				
 2xHRC 17 	75 90 120 blue			C2090560	C2090561	C2090579		
 2xHRC 17b 	 75 90 blue			C2090695 C2090570	C2090704 C2090571	C2090711 C2090800	C2095052 C2095668	
 2xHRC 17b 	 2 x 90 blue			G0095168	G0095169	G0095182		
 2xHRC 17b 	75 90 blue			C2095569 C2095580	C2095570 C2095581			

C Box of 36 units















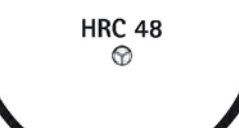








B Box of 24 units































G Box of 12 units

M Box of 6 units


























Needle length mm	Thread length cm colour	USP (metric)								
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)		
1/2 circle round bodied needle with short cutting point										
 	 	90 blue				C2095368				
 		75 blue				C2090565	C2090566	C2095572		
 		90 120 blue				C2090580 C2095066	C2090581			
		2 x 90 blue				G0095162	G0095163			
 		75 90 blue				C2095592	C2095574 C2095593			
		 	75 90 blue				C2090472	C2090473	C2090474 C2095788	
										C2095796
 		75 90 120 blue			C2090806 C2090810	C2090807 C2090811 C2095771	C2090808 C2090812 C2090820	C2095825 C2095140	C2095779	
			2 x 75 2 x 90 4 x 90 blue				G0095759	G0095760	G0095761 G0095751	
 		75 90 120 blue				C2095736 C2095607	C2095737 C2095608 C2095597	C2095738 C2095598		
		 	90 blue					C2090584	C2090585	
				2 x 90 blue						G0095188
		 		75 blue						C2095048

Premilene®

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with short cutting point								
 HRC 37 	 75 90 100 blue							C2095734
					C2095413 C2095411			
 2xHRC 37 	 90 120 blue  120 blue		C2095414		C2095404		C2095407	
				G0095402				
 HRC 37s 	 75 blue						C2095995	
 2xHRC 40 	 90 blue  2 x 90 blue		C2090830	C2090831				
				G0095831				
 HRC 48 	 150 200 blue						B2095434	B2095457 B2095450
Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle with short cutting point								
 2xDRC 6 	 45 60 75 blue	C2095209	C2095219					
		C2095246						
		C2095272	C2095288					
 DRC 8 	 60 blue				C2095511			

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle with short cutting point								
 DRC 8b 	 75 blue		C2095813					
 2xDRC 8 	 45 60 75 blue		C2095211 C2095025 C2090169	C2095046 C2090176	C2090172			
	 2 x 60 2 x 75 blue		G0095178					
 2xDRC 8b 	 75 blue		C2095768					
 DRC 10 	 75 blue		C2090538	C2090539				
 2xDRC 10 	 45 60 75 90 blue		C2090116	C2090548 C2090544 C2090545	C2090553 C2090543 C2090546	C2090930		
	 2 x 60 75 2 x 75 4 x 75 blue			G0090179 G0095180 G0095560 G0090177	G0090202 G0095561			
 2xDRC 10b 	 60 75 blue		C2090577 C2090516	C2090578				
 2xDRC 10s 	 75 blue		C2095324					
 DRC 12 	 75 blue		C2090549	C2090550	C2090551	C2090552		
 2xDRC 12 	 60 75 90 blue		C2090537 C2090554	C2090524 C2090555	C2090556 C2090756	C2090557		
	 75 2 x 75 4 x 75 blue			G0095170 G0090185 G0090183				

Premilene®

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle with short cutting point								
 DRC 13 	 75 blue			C2095144	C2095145			
2xDRC 13 	 45 60 75 90 blue		C2095268	C2095271 C2095175 C2095305	C2095514 C2095141 C2095171			
	 2 x 45 2 x 75 2 x 90 blue			G0095174 G0095176	G0095177 G0095172	G0095181		
								
2xDRC 13b 	 75 90 blue			C2095836	C2095315 C2095311			
2xDRC 13s 	 75 blue				C2095334			
2xDRC 15 	 75 90 blue				C2095756 C2090728			
DRC 18 	 75 blue				C2095164	C2095165	C2095166	
DRC 18 	 30 loop blue					C2095456		
2xDRC 18 	 75 90 blue				C2095194 C2090525	C2095195 C2090526	C2090527	
2xDRC 18b 	 90 blue				C2095438	C2095439		
2xDRC 22 	 90 blue					C2090535	C2090536	
DRC 26 	 75 blue						C2095645	

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units



Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)

3/8 circle round bodied needle with short cutting point









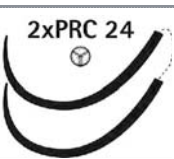

		75						C2095631		
		90						C2095630	C2095633	C2095636
		120						C2095629	C2095632	C2095612
		blue								

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)





Hook round bodied needle with short cutting point

		100								
		blue							C2090963	




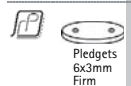
























Progressive curved round bodied needle with short cutting point

		75	C2095096						
		75	C2095097	C2095101					
		90	C2095100	C2095103					
		75	C2095701						
		120					C2095150		
		2 x 90				G0095161			
		blue							

1/2 circle round bodied needle with trocar point

		75		C2090833					
		75		C2090312	C2090313	C2090314			
		blue							

Premilene®

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	
1/2 circle round bodied needle with trocar point									
 2xHRT 17 	 	75			C2090827	C2090075			
		90 blue		C2090925	C2090926	C2090927	C2090928		
 HRT 22 		90 blue			C2090871				
 2xHRT 22 		90 blue			C2090935	C2090936			
 HRT 26 		75 90 blue			C2090340	C2090341 C2090844	C2090342 C2090067	C2090343	
 2xHRT 26 		90 120 blue		C2090940	C2090003 C2090736	C2090937 C2090737	C2090938 C2090738	C2090939	
 HRT 30 		100 blue							C2090019
 HRT 37 		75 100 blue					C2090458	C2090453 C2090454	C2090463 C2090071
 2xHRT 37 		90 120 blue				C2090834 C2090734	C2090835 C2090735	C2090733	
 HRT 37s 		75 blue						C2095463	

C Box of 36 units





B Box of 24 units

G Box of 12 units

M Box of 6 units




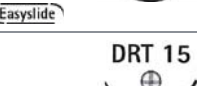

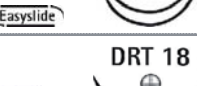

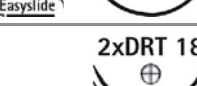

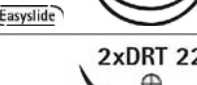
Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)

1/2 circle round bodied needle with trocar point

 HRT 43s Easyslide		100 blue								C2090035
 HRT 48 Easyslide		150 200 blue							B2090336	B2090335 B2090337

Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)





3/8 circle round bodied needle with trocar point

 2xDRT 10 Easyslide		75 blue	C2090005	C2090006						
 DRT 12 Easyslide		75 blue		C2090306	C2090307					
 2xDRT 12 Easyslide		75 blue		C2090763	C2090764					
 2xDRT 12 Easyslide		2 x 75 blue		G0095856						
 DRT 15 Easyslide		75 blue		C2090308	C2090309					
 2xDRT 15 Easyslide		75 blue		C2090765	C2090766					
 DRT 18 CV Pass	 loop	30 blue					C2095345			
 DRT 18 Easyslide		75 blue			C2090319	C2090320	C2090321			
 2xDRT 18 Easyslide		75 90 blue			C2090744 C2090944	C2090745 C2090945	C2090946			
 2xDRT 22 Easyslide		120 blue					C2090964			

Premilene®

Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)

3/8 circle round bodied needle with trocar point





 DRT 26 Easyslide	 75 blue				C2090533	C2090534		
					C2090848	C2090849	C2090950	
 2xDRT 26 Easyslide	 75 90 120 blue				C2090948	C2090949		
					C2090748	C2090749		

Straight round bodied needle with trocar point









 2xGRT 40 Easyslide	 35 blue				C2095220			
--	---	--	--	--	----------	--	--	--

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)

1/2 circle round bodied needle with blunt point

 HRN 45 Easyslide	 100 blue							C2090643
 HRN 50 Easyslide	 200 blue							C2095257

1/2 circle reverse cutting needle







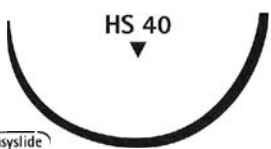











 HS 15 Easyslide	 75 blue			C2090259				
 HS 18 Easyslide	 45 90 blue		C2090264 C2095998					
 HS 21 Easyslide	 45 75 blue			C2095775 C2090460	C2090261 C2090461			
 HS 26 Easyslide	 45 75 90 120 blue			C2090468	C2090269 C2095941	C2090270 C2095958 C2095959		C2090271

C Box of 36 units


































B Box of 24 units



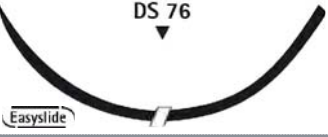

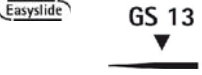





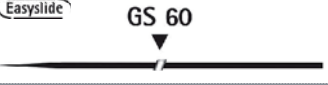




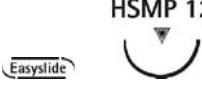



G Box of 12 units

M Box of 6 units




























Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle reverse cutting needle								
 HS 30 Easyslide	 75 120 blue				C2090274	C2090275	C2090276 C2095945	
 HS 37 Easyslide	 75 blue					C2090279	C2090280	
 HS 37s Easyslide	 75 blue							C2095320
 HS 40 Easyslide	 75 90 100 120 blue					C2090273	C2090281 C2095618 C2090272 B2095947	C2090287 C2095618 C2090272 B2095947
 HS 48 Easyslide	 75 100 blue						C2095329	C2095330 C2090304
 HS 48 Easyslide	 150 blue							B2090289
3/8 circle reverse cutting needle								
 DS 9 Easyslide	 45 blue	C2090204						
Needle length mm	Thread length cm colour	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
 2xDS 9 Easyslide	 60 blue	C2090809						
 DS 12 Easyslide	 45 75 blue		C2090206 C2095543	C2090207	C2090208	C2090205		

Premilene®

Needle		Thread	USP (metric)						
length mm	length cm colour		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle reverse cutting needle									
	2xDS 12 	 60 blue		C2090829					
	DS 16f 	 45 blue		C2095159					
	DS 16 	 45 75 blue		C2090211	C2090212 C2090512	C2090213 C2090513	C2090214 C2090514		
	DS 16 	 30 blue loop					G2090215		
	DS 19 	 30 45 75 blue		C2095400	C2090219 C2090519	C2090420 C2090220 C2090520	C2090421 C2090221 C2090521	C2090222 C2095522	
	DS 19 	 30 blue loop				G2090217			
	DS 24 	 45 75 blue			C2090233	C2090434 C2090234	C2090435 C2090235	C2090436 C2090236	C2090237
Needle		Thread	USP (metric)						
length mm	length cm colour		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
	DS 24 	 75 blue						C2090238	
	DS 30 	 45 75 blue		C2090445 C2090245	C2090446 C2090246	C2090447 C2090247	C2090248	C2090440 C2095200	
	DS 35 	 75 blue			C2090230				
	DS 39 	 75 90 100 blue		C2090253	C2090254 C2090020	C2090255 C2090249	C2090256	C2090257 C2095488	C2090244

Needle length mm	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle								
 2xDS 60 Easyslide	 75 blue					B2090751		
 DS 76 Easyslide	3 x 50 blue							B0090288
 DS 90 Easyslide	75 90 blue					C0090258		C0090262
Straight reverse cutting needle								
 GS 13 Easyslide	 45 blue		C2095385					
 GS 51 Easyslide	 75 blue			C2090284	C2090285			
 2xGS 51 Easyslide	 35 blue				C2090796			
 GS 60 Easyslide	 75 blue			C2090265	C2090266	C2090267		
 2xGS 60 Easyslide	 75 blue			C2090881	C2090882			
 GS 75 Easyslide	100 blue			C0090298	C0090292	C0090293		
1/2 circle reverse cutting needle with precision point								
 HSMP 12 Easyslide	 45 blue	C2090027						
 HSMP 15 Easyslide	 45 blue		C2090511					

Premilene®

Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle reverse cutting needle with precision point								
 DSMP 7 	 45 blue	C2090612	C2095613					
 DSMP 11 	 45 75 blue	C2090606 C2090406	C2090607 C2090407	C2090608				
 DSMP 13 	 45 75 blue	C2090617	C2090618	C2090619 C2090409	C2090620 C2090410			
 DSMP 15 	 45 blue	C2090696						
 DSMP 16 	 45 75 blue		C2090628 C2090428	C2090629 C2090429	C2090630 C2090427	C2090481		
 DSMP 19 	 45 75 blue			C2090675 C2090672	C2090676 C2090673	C2090677 C2090674	C2090678	
 DSMP 24 	 45 75 blue			C2095654	C2090655 C2090680	C2090656 C2090681	C2090657 C2090682	
 DSMP 30 	 45 75 blue					C2090665 C2090690	C2090666 C2090691	C2090667 C2090692
 DSMP 39 	 75 blue					C2095960		

PremiCron®

Non-absorbable sutures

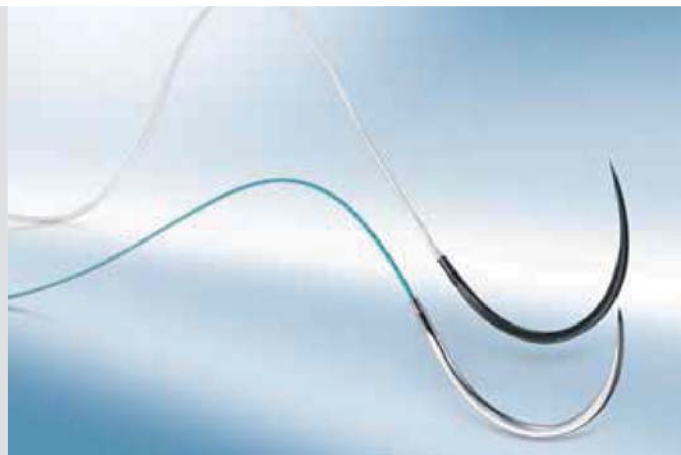
DESCRIPTION

PremiCron® is a non-absorbable braided and coated synthetic multifilament composed of polyester fibres. PremiCron® sutures are coated uniformly with silicone to increase surface lubricity, thereby enhancing handling characteristics.

Available in single packs (1 or 2 sutures) or multipacks (4 or 8 sutures) either green or white.

INDICATION

- Cardiac surgery (valve surgery)
- General surgery



PremiCron®

ADVANTAGES

- PTFE oval pledget design improving adaptability to underlying anatomical structures
- Excellent knot run-down and knot security
- Reduced tissue drag and sawing
- 300 series stainless steel needles for superior breaking resistance "Easyslide"
- New generation of needles for cardiovascular indication: CV pass and CV pass easyblack

PremiCron®

Product overview

Structure

Braided



Colour

Green or white

Chemical composition

Polyester

Coating

Silicone

Origin

Synthetic

Sizes

USP 6/0 (metric 0.7) to USP 5 (metric 7)









Type of absorption

Non-absorbable

Sterilisation

Ethylene oxide / Gamma-irradiation

PremiCron®










Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle lancet needle with micro-point								
2xHLM 8  	 45 white	C2027061						
	45 white		G0027062					
1/4 circle lancet needle with micro-point								
2xVLM 6  	45 white		G0027895					
	2xVLM 8  	45 green		G0026155				
45 white		G0027114	G0027115	G0027116				
1/2 circle round bodied needle								
HR 6  	 75 green	C2026942						
	2xHR 10f  	 75 green		C2026213				
75 green			C0026213					
HR 10  	45 green	C0026008	C0026009	C0026010				
	2xHR 10  	 75 green		C2026695				
 75 90 green			C2026887 C2026792	C2026888				
2xHR 13ff  	 75 green		C0026695					
	75 green		C0026792					
2xHR 13ff  	 75 green		C2026949					
	75 green		C0026949					

C Box of 36 units













B Box of 24 units

G Box of 12 units


















M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
 HR 13	 60 green				C2026183			
	45 75 green		C0026029	C0026030 C0026152	C0026031 C0026032			
	 4 x 75 green			M0026699				
 2xHR 13	 60 75 green		C2026843	C2026844	C2026846 C2026845			
	 75 green		C0026843	C0026844	C0026845			
 HR 13	take off 4 x 45 green			C0026477				
 HR 13ss	75 green					C0026062		
 HR 17	75 green		C0026003	C0026004	C0026005	C0026006		
	take off 4 x 75 green			C0026700				















PremiCron®

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
	75	C2026802	C2026803	C2026804	C2026805	C2026806		
	90 green		C2026903	C2026904	C2026905	C2026906		
	75			C2027455		C2027457		
	90 white					C2027906		
  Pledgets 6x3mm Firm	75					C2027042		
	90 green							
	75		C0026803	C0026804	C0026805	C0026806		
	90 green		C0026903	C0026904	C0026905	C0026906		
	75			C0027455		C0027457		
	90 white					C0027906		
	4 x 75 green			M0026708				
	8 x 75 4 x 90 green/white					M0027775	M0027008	
  Pledgets 3x3mm Firm	4 x 75					M0027764		
	8 x 75 green/white					M0027802		
  Pledgets 6x3mm Firm	4 x 75					M0027088	M0027091	
	8 x 75 green/white					M0027776		



Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
 2xHR 17b	 75 green						C2026211	
	  Pledgets 3x3mm Firm 75 green						C2026252	
	  Pledgets 6x3mm Firm 75 green						C2026210	
	  Pledgets 3x3mm Soft 75 green						C2026257	
	75 green						C0026211	
	 Pledgets 3x3mm Firm 75 green						C0026252	
	 Pledgets 3x3mm Soft 75 green						C0026257	
	  Pledgets 3x3mm Firm 4 x 75 8 x 75 green/white						M0027090 M0027119	
	  Pledgets 6x3mm Firm 4 x 75 8 x 75 green/white						M0027089 M0027150	
	  HR 17 	take off 4 x 45 green				C0026704	C0026740	

PremiCron®














Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
	 75 90 green			C2026094		C2026091		
	 90 white					C2027591		
	90 white					C0027591		
	 Pledgets 6x3mm Firm 75 green					C0026907		
	 Pledgets 6x3mm Firm 75 white					C0027010		
	 8 x 75 green/white					M0027707		
	  Pledgets 3x3mm Firm 8 x 75 green/white					M0027953		
	  Pledgets 6x3mm Firm 4 x 75 8 x 75 green/white					M0027905 M0027706		
	  Pledgets 6x3mm Soft 8 x 75 green/white					M0027525		
	 	75 green			C0026024	C0026025	C0026026	

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units











Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
	75 90 green			C2026763 C2026730	C2026731	C2026737 C2026732	C2026734	
 	Pledgets 6x3mm Firm 75 green			C2026735	C2026307	C2026733		
 	Pledgets 6x3mm Firm 75 white					C2027034		
	75 90 green			C0026763 C0026730	C0026731	C0026737 C0026732	C0026734	
	Pledgets 6x3mm Firm 75 green			C0026735	C0026307	C0026733		
	Pledgets 6x3mm Firm 75 white					C0027034		
	Pledgets 6x3mm Firm 2 x 75 green/white					B0027718		
	4 x 75 8 x 75 green/white					M0027705	M0027019	
 	Pledgets 6x3mm Firm 4 x 75 8 x 75 8 x 90 green/white					M0027605 M0027704	M0027158	
 	Pledgets 6x3mm Soft 8 x 75 green/white					M0027867		





PremiCron®






Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)











1/2 circle round bodied needle

	 75 green							C2026265	
	  Pledgets 6x3mm Firm	75 green						C2026460	
	  Pledgets 6x3mm Soft	75 green						C2026493	
	 Pledgets 6x3mm Firm	75 green						C0026460	
	 8 x 75 green/white							M0027181	
	  Pledgets 6x3mm Firm	4 x 75 8 x 75 green/white						M0027157 M0027169	

 HR 22ss 	take off 4 x 45 green							C0026736	B0026729
---	-----------------------------	--	--	--	--	--	--	----------	----------

























Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)

 2xHR 22ss 	75 green								C0026070
 HR 26	75	C0026014	C0026015	C0026016	C0026017	C0026018			
	90			C0026049					
	120 green		C0026002	C0026111	C0026001				
 75 white				C0027016					
 4 x 75 white				M0027112					

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle								
	75	C2026814	C2026738	C2026739	C2026817			
	90		C2026815	C2026816				
120 green	C2026932							
	75		C2027815	C2027839				
90 white	C2027816			C2027817				
 	90 green		C2026915	C2026916				
 	90 white			C2027306				
	75	C0026814	C0026738	C0026739	C0026817			
	90 green		C0026815	C0026816				
75			C0027839					
90 white		C0027816	C0027817					
	90 green		C0026915	C0026916				
	90 white			C0027306				
Multi pack	4 x 75 green			M0026225				
Multi pack	4 x 75			M0027700	M0027009			
	8 x 75			M0027715				
	8 x 90 green/white			M0027713				
Multi pack 	8 x 75			M0027716				
	8 x 90 green/white			M0027717				



PremiCron®





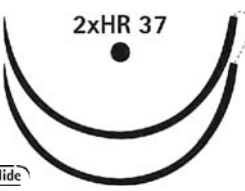



Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle								
 2xHR 26 	  Pledgets 6x3mm Firm	8 x 90 green			M0026712			
		4 x 75 8 x 75 4 x 90 8 x 90 green/white		M0027752	M0027766 M0027712	M0027759		
	  Pledgets 6x3mm Firm							
 2xHR 26b 	 Pledgets 6x3mm Firm	75 green			C2026500			
	  Pledgets 6x3mm Firm	75 green			C2026522			
	  Pledgets 6x3mm Soft	75 green			C2026527			
		75 green			C0026500			
	 Multi pack	4 x 75 8 x 75 green/white			M0027186 M0027205			
	  Pledgets 6x3mm Firm	4 x 75 8 x 75 green/white			M0027187 M0027199			
	  Pledgets 6x3mm Soft	8 x 75 green/white			M0027211			
 HR 26 		120 green				C0026194		
 HR 26s 		75 green	C0026061	C0026052	C0026050	C0026051		B0026053
	take off	4 x 45 green		C0026724	B0026019			
 HR 26ss 		90 green					C0026255	
		4 x 75 green/white						B0027148
	take off	4 x 45 green		C0026064	B0026020			

C Box of 36 units






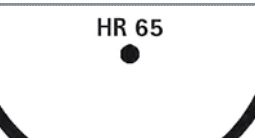

B Box of 24 units




















G Box of 12 units

M Box of 6 units



















Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle								
 CV Pass	75 green							B0026325
 Easyslide	2 x 75 green				C0026768			
 Easyslide	75 90 green		C0026056	C0026057 C0026928	C0026058	C0026059	C0026145	
	75 white					C0027059		
 Easyslide	75 green		C0026035	C0026036	C0026037	C0026038	C0026039	
 Easyslide	75 90 green		C0026750	C0026836 C0026751	C0026837			
	75 90 green			C0026066	C0026067 C0026267	C0026068 C0026277	C0026069	
 Easyslide	4 x 45 green	take off			B0026727			
 Easyslide	60 90 green						C0026840 B0026759	
 Easyslide	75 green						C0026079	

PremiCron®

Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
1/2 circle round bodied needle								
 HR 37ss Easyslide	75 green							B0026191
 HR 40 Easyslide	75 90 green	C0026072		C0026074 C0026972	B0026075	B0026425		B0026083
 HR 40s Easyslide	75 green			C0026512	B0026513			
 HR 40ss Easyslide	75 green				C0026275			
 HR 48 Easyslide	75 green		C0026098	C0026080	B0026182	B0026082		
	75 white					B0027082		
	4 x 45 green	B0026065						
 HR 65 Easyslide	75 green					B0026303		
 2xHR 70 Easyslide	75 green		B0026696	B0026697				

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle round bodied needle								
 2xDR 8	 45 green			C2026822				
	 45 75 white	C2027069		C2027822 C2027070	C2027071			
	45 green			C0026822				
	45 white			C0027822				
 2xDR 10	 75 green	C2026871						
	75 green	C0026871						
 DR 12	45 green	C0026120	C0026121					
 2xDR 12	 75 green	C2026852	C2026853	C2026854				
	 75 white	C2027014	C2027853	C2027854				
	  Pledgets 3x3mm Firm	75 green			C2026954			
	75 green	C0026852	C0026853	C0026854				
	75 white		C0027853	C0027854				
	  Pledgets 3x3mm Firm	75 green			C0026954			
	 2xDR 13	  Pledgets 6x3mm Firm	75 green		C2026896			
 DR 15	75 green			C0026130	C0026131			
 DR 18	75 green			C0026104	C0026105			

PremiCron®















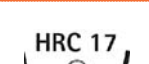


Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle round bodied needle								
 2xDR 18	 75 90 green		C2026863	C2026864	C2026865 C2026858	C2026883		
	 75 90 green		C0026863	C0026864	C0026865 C0026858	C0026883		
	 8 x 90 green/white					M0027769		
	  8 x 75 green/white					M0027671		
 DR 22	75 green				C0026226	C0026227	C0026228	
 2xDR 22	 75 green				C2026116	C2026143		
 DR 26	75 100 green				C0026136	C0026137 C0026139		
 2xDR 26	 90 green					C2026873		
	  90 green					C2026874		
	 90 green					C0026873		
 DR 32	75 green					C0026141	C0026142	C0026238
Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
 DR 32	75 green						C0026239	
 2xDR 48	75 green				C0026071			

C Box of 36 units





















B Box of 24 units

G Box of 12 units















M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
5/8 circle round bodied needle								
 FR 36 	90 green					C0026268	C0026089	
Hook round bodied needle								
 JR 30s 	75 green						C0026977	
Ski Needle round bodied needle								
 SKR 19 	30 green				C0026536			
 SKR 26 	30 45 120 green		C0026540	C0026550 C0026548		C0026549		
Straight round bodied needle								
 GR 19 	45 75 120 green	C0026113	C0026041		C0026045	C0026992		
 2xGR 19 	75 green	C0026449						
 GR 35 	20 green				C0026119			
1/2 circle round bodied needle with short cutting point								
 HRC 17 	 75 green 75 green					C2026940		
		C0026937	C0026938					

PremiCron®

























Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with short cutting point								
	75 90 green	C2026304	C2026572 C2026305	C2026250 C2026306	C2026212			
	75 90 white			C2027656 C2027317				
 	75 green Pledgets 3x3mm Firm		C2026241	C2026249				
 	90 white Pledgets 3x3mm Firm			C2027316				
 	75 90 green Pledgets 6x3mm Firm		C2026240	C2026248 C2026308				
 	90 white Pledgets 6x3mm Firm			C2027315				
 	75 green Pledgets 3x3mm Soft			C2026560				
 	75 white Pledgets 3x3mm Soft			C2027320				
 	75 green Pledgets 6x3mm Soft			C2026563				
 	75 white Pledgets 6x3mm Soft			C2027323				
	75 90 green	C0026304	C0026305	C0026250 C0026306	C0026158			
	90 white			C0027317				
	75 green Pledgets 3x3mm Firm			C0026249				
	75 90 green Pledgets 6x3mm Firm			C0026248 C0026308				



Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with short cutting point								
	90 white			C0027315				
	75 green			C0026560				
	75 white			C0027320				
	75 green			C0026563				
	4 x 75 green			M0026175				
	4 x 75 8 x 75 4 x 90 8 x 90 green/white		M0027584	M0027921 M0027722 M0027929	M0027585 M0027976			
	 4 x 75 8 x 75 green/white			M0027738	M0027739			
	 4 x 75 8 x 75 4 x 90 8 x 90 green/white			M0027628 M0027723 M0027863	M0027579 M0027975			
	 4 x 75 8 x 75 green/white			M0027824 M0027819				
	 4 x 75 8 x 75 green/white			M0027813 M0027811				



PremiCron®




















Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with short cutting point								
	75 green			C2026538				
  Pledgets 3x3mm Firm	75 green			C2026556				
  Pledgets 6x3mm Firm	75 green			C2026579				
  Pledgets 3x3mm Soft	75 green			C2026568				
  Pledgets 6x3mm Soft	75 green			C2026587				
	75 green			C0026538	C0026159			
  Pledgets 6x3mm Firm	75 green			C0026579	C0026253			
	4 x 75 8 x 75 4 x 90 green/white			M0027568 M0027253	M0027586 M0027972			
  Pledgets 3x3mm Firm	8 x 75 green/white			M0027241				
  Pledgets 6x3mm Firm	4 x 75 8 x 75 4 x 90 green/white			M0027229 M0027259	M0027580 M0027971			
  Pledgets 3x3mm Soft	8 x 75 green/white			M0027247				
  Pledgets 6x3mm Soft	8 x 75 green/white			M0027265				
  2xHRC 20	4 x 75 8 x 75 green/white			M0027626 M0027625				
  HRC 22	100 green			C0026296				

C Box of 36 units

B Box of 24 units





















G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with short cutting point								
	90 green				C2026323			
	90 white				C2027363			
 	75 green Pledgets 6x3mm Firm				C2026263			
 	90 white Pledgets 6x3mm Firm					C2027537		
 	75 green Pledgets 6x3mm Soft				C2026585			
 	75 white Pledgets 6x3mm Soft				C2027340			
	90 green				C0026323	C0026163		
	75 green Pledgets 6x3mm Firm				C0026263			
	90 white Pledgets 6x3mm Firm					C0027537		
	75 green Pledgets 6x3mm Soft				C0026585			
	4 x 75 8 x 75 4 x 90 green/white				M0027102 M0027603	M0027610		
 	4 x 75 8 x 75 4 x 90 green/white Pledgets 6x3mm Firm				M0027949 M0027100 M0027617	M0027108 M0027618		
 	4 x 75 8 x 75 green/white Pledgets 6x3mm Soft				M0027836 M0027841			



PremiCron®


















Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with short cutting point								
 2xHRC 22b	 75 90 green			C2026616	C2026995			
	  Pledgets 6x3mm Firm 75 green			C2026620				
	  Pledgets 6x3mm Soft 75 green			C2026625				
	 Pledgets 6x3mm Firm 90 green			C0026174	B0026898			
	 Pledgets 6x3mm Firm 90 white				C0027536			
	 4 x 75 4 x 90 green/white			M0027251 M0027566	M0027385 M0027611			
	  Pledgets 6x3mm Firm 4 x 75 8 x 75 4 x 90 green/white			M0027375 M0027391 M0027300	M0027109 M0027619			
	  Pledgets 6x3mm Soft 4 x 90 green/white			M0027567				
	  HRC 22	4 x 90 green/white						B0027978
	  HRC 26	75 100 green		C0026301 C0026299	C0026302 C0026300			
  HRC 26b	 120 green			C2026955	C2026956			

C Box of 36 units

B Box of 24 units










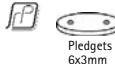










G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with short cutting point								
	75 90 green	C2026311	C2026215 C2026312	C2026316 C2026313	C2026317 C2026419			
	90 white			C2027326				
 	75 green Pledgets 3x3mm Firm			C2026422				
 	75 white Pledgets 3x3mm Firm			C2027422				
 	75 90 green Pledgets 6x3mm Firm			C2026319 C2026318				
 	90 white Pledgets 6x3mm Firm			C2027336				
 	75 90 green Pledgets 6x3mm Soft			C2026594 C2026676				
 	75 white Pledgets 6x3mm Soft			C2027343				
	75 90 green		C0026215 C0026312	C0026316 C0026313	C0026317 C0026419			
	90 white			C0027326				
	75 90 green Pledgets 6x3mm Firm			C0026319 C0026318	C0026162 C0026165			
	75 90 green Pledgets 6x3mm Soft			C0026594 C0026676				
	4 x 75 8 x 75 4 x 90 green/white			M0027371 M0027791 M0027555	M0027925 M0027686			



PremiCron®

Needle length mm	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
1/2 circle round bodied needle with short cutting point									
 	  8 x 75 green/white				M0027801				
	  4 x 75 8 x 75 4 x 90 8 x 90 green/white				M0027543 M0027792 M0027685 M0027660	M0027859 M0027687 M0027661			
		  4 x 75 8 x 75 8 x 90 green/white				M0027843 M0027845 M0027531			
			 75 120 green				C2026634 C2026957	C2026960	
				 75 green				C2026643	
		 75 green					C2026650		
			75 90 green				C0026320 C0026180	C0026320 C0026168	
		 75 90 green					C0026643 C0026181	C0026644 C0026169	
			 4 x 75 8 x 75 4 x 90 green/white				M0027425 M0027465 M0027569	M0027926 M0027688	
		  4 x 75 8 x 75 4 x 90 green/white					M0027424 M0027451 M0027003	M0027858 M0027689	
  4 x 75 8 x 75 4 x 90 green/white							M0027443 M0027471 M0027565		
			  2 x 90 green/white				B0027885		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)

1/2 circle round bodied needle with short cutting point


 <p>HRC 40</p> <p>Easyslide</p>	75 green								

Needle length mm	Thread length cm colour	USP (metric)						
		2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)



















 <p>HRC 55</p> <p>Easyslide</p>	4 x 75 green								

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)

3/8 circle round bodied needle with short cutting point

 <p>DRC 12</p> <p>CV Pass</p>	75 green	C0026352							

PremiCron®

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	
3/8 circle round bodied needle with short cutting point									
		75 green			C2026474	C2026465	C2026466		
		Pledgets 3x3mm Soft 75 green					C2026636		
		Pledgets 3x3mm Firm 75 green					C0026476		
		4 x 75 8 x 75 8 x 90 green/white					M0027601 M0027311 M0027941	M0027508	
		Pledgets 3x3mm Firm 4 x 75 8 x 75 green/white					M0027600 M0027310		
		Pledgets 6x3mm Firm 8 x 90 green/white					M0027935		
		Pledgets 3x3mm Soft 8 x 75 green/white					M0027507		
		Pledgets 6x3mm Soft 8 x 90 green/white					M0027519		
			Pledgets 6x3mm Firm 75 green					C2026161	
			Pledgets 6x3mm Soft 75 green					C2026184	
		4 x 75 8 x 75 green/white					M0027002 M0027046		
		Pledgets 6x3mm Firm							
5/8 circle round bodied needle with short cutting point									
		8 x 75 green/white					M0027979		
									

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)





Hook round bodied needle with short cutting point

 <p>JRC 30s</p> <p><small>Easyslide</small></p>	75 green								C0026987
---	-------------	--	--	--	--	--	--	--	----------




Progressive curved round bodied needle with short cutting point

 <p>PRC 24</p> <p><small>Easyslide</small></p>	120 green					C0026102	C0026099		
--	--------------	--	--	--	--	----------	----------	--	--

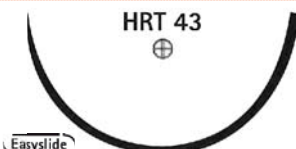



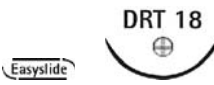

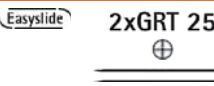

1/2 circle round bodied needle with trocar point

 <p>2xHRT 17</p> <p><small>Easyslide</small></p>	 4 x 75 green/white			M0027729					
 <p>HRT 30s</p> <p><small>Easyslide</small></p>	75 90 green							C0026689	C0026920
 <p>HRT 37</p> <p><small>Easyslide</small></p>	75 green							C0026392	C0026393

Needle length mm	Thread length cm colour	USP (metric)						
		0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)

 <p>HRT 37</p> <p><small>Easyslide</small></p>	75 4 x 75 green			C0026394 B0026717					
 <p>HRT 40</p> <p><small>Easyslide</small></p>	75 4 x 75 green	C0026401		B0026044			G0026076		
 <p>HRT 40s</p> <p><small>Easyslide</small></p>	75 green			C0026395					

PremiCron®


Needle length mm	Thread length cm colour	USP (metric)						
		0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)
1/2 circle round bodied needle with trocar point								
 HRT 43 Easyslide	4 x 75 green				B0026718			
 HRT 43s Easyslide	75 green				C0026781			
 HRT 48 Easyslide	75 4 x 75 green				B0026097			G0026148 G0026081
 HRT 55 Easyslide	75 4 x 75 green							G0026146 G0026723
Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
3/8 circle round bodied needle with trocar point								
 DRT 18 Easyslide	75 white	C0027012	C0027011					
 DRT 26 Easyslide	75 white		C0027025					
Straight round bodied needle with trocar point								
 2xGRT 25 Easyslide	45 green	C0026833						
1/2 circle round bodied needle with sternum point								
 HRS 40	4 x 75 green							B0026766


Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)

1/2 circle round bodied needle with sternum point

 <p>HRS 48</p>	4 x 75 green								
									B0026767

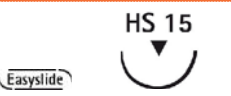




Needle length mm	Thread length cm colour	USP (metric)						
		2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)

 <p>HRS 48</p>	4 x 75 green								
						G0026702			



















 <p>HRS 60</p>	4 x 75 green								
						G0026705			

Needle length mm	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)

1/2 circle reverse cutting needle

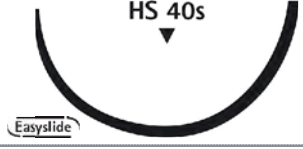
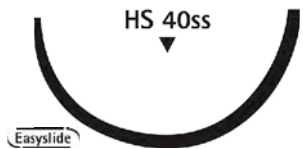
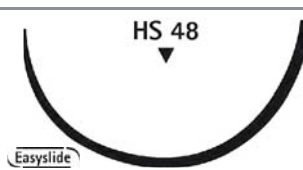
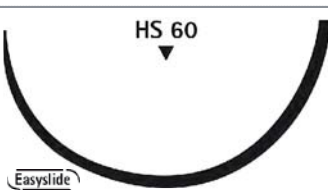
 <p>HS 15</p>	45 75 green	C0026196	C0026197	C0026198 C0026342				
 <p>HS 21</p>	45 75 green		C0026199	C0026200 C0026365	C0026366	C0026367		
 <p>HS 23</p>	45 green			C0026202				
 <p>HS 23ss</p>	75 green					C0026403	C0026404	C0026405
 <p>HS 26</p>	75 green			C0026420	C0026421	C0026423		

PremiCron®

Needle length mm	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle								
 HS 26s 	75 green							C0026339 B0026778
 HS 26ss 	75 green							C0026371
 HS 30 	75 green				C0026541	C0026542	C0026543	C0026544
Needle length mm	Thread length cm colour	USP (metric)						
		0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)
 HS 30 	75 green				B0026545			
 2xHS 30 	75 green			C0026214				
 HS 37 	75 green	C0026471	C0026472	C0026473				
 HS 37s 	75 green	C0026467	C0026468	C0026469				
 HS 37ss 	75 green				C0026373			
 HS 40 	75 green		C0026479	C0026480	B0026481		B0026482	


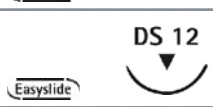
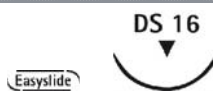

Needle length mm	Thread length cm colour	USP (metric)						
		0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)

1/2 circle reverse cutting needle

	75 green				C0026390				
	75 green			C0026397					
	75 4 x 75 200 green		C0026375 B0120070	B0026376	B0026377			B0026399 G0026203	
	75 green							B0026409	

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)


3/8 circle reverse cutting needle

	45 green	C0026192							
	45 75 green	C0026171	C0026172 C0026242	C0026173					
	45 75 green		C0026176	C0026177 C0026245	C0026246				
	45 4 x 45 75 green		C0026551	C0026552 C0026185 C0026231	C0026553 C0026232	C0026554 C0026233	C0026234	C0026235	
	45 4 x 45 white				C0027974 C0027433				















PremiCron®

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)

3/8 circle reverse cutting needle

 DS 24 	45							
	75 90 green			C0026514	C0026189 C0026515	C0026190 C0026516	C0026517 C0026340	C0026518
 DS 30 	75 white					C0027965		
	45 75 green					C0026492 C0026531	C0026532	C0026533

Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)

 DS 30 	75 90 green				C0026534			
				C0026537				
 DS 35 	75 green	C0026281	C0026282	C0026283	C0026284			
 DS 39 	75 green	C0026329	C0026330	C0026331	C0026332	B0026333		
 DS 48 	75 green		C0026353	C0026354	B0026355			
 DS 60 	75 green					B0026278	B0026279	
 DS 76 	50 50 75 green					B0026205		B0026208 B0026291
 2xDS 76 	75 green					B0026220		B0026223

C Box of 36 units

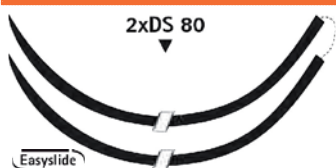
B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)

3/8 circle reverse cutting needle


 75
green

B0026188

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)

Straight reverse cutting needle


 75
green

C0026505

C0026506

C0026507

C0026508

B0026509


 75
90
green

C0026314

C0026315

C0026441

C0026266


 75
green

C0026286

C0026287

C0026288

C0026289

Needle length mm	Thread length cm colour	USP (metric)						
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)

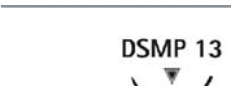
3/8 circle reverse cutting needle with precision point


 45
white

C0027074


 45
white

C0027031


 45
green
45
white

C0026193

C0027086

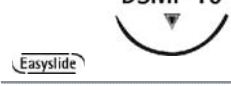
C0027087


 45
green
45
white

G0026610

C0027096

C0027097


 75
white

C0027957




PremiCron®





	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Pre-cut sutures								
3 threads of 45 cm	3 x 45 green	C0120090	C0120091	C0120092	C0120093	C0120094	C0120095	C0120096
	Thread length cm colour	USP (metric)						
		0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)
3 threads of 45 cm	3 x 45 green				C0120097			
	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
5 threads of 45 cm	5 x 45 green	C0120100	C0120101	C0120102	C0120103	C0120104	B0120105	B0120106
10 threads of 45 cm	10 x 45 green	C0120005	C0120006	C0120007	C0120008	B0120009	B0120010	B0120011
12 threads of 45 cm	12 x 45 green				C0120139			
17 threads of 45 cm	17 x 45 green			C0120050	C0120051			
5 threads of 60 cm	5 x 60 green					C0120110	B0120111	
10 threads of 60 cm	10 x 60 green		C0120015	C0120016	C0120017			
13 threads of 60 cm	13 x 60 green			C0120036	C0120037			
2 threads of 75 cm	2 x 75 green			C0120080	C0120081	C0120082	C0120083	C0120084
	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
2 threads of 75 cm	2 x 75 green					B0120085		B0120087
5 threads of 75 cm	5 x 75 green	C0120120	C0120121	B0120122	B0120123			
	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
10 threads of 75 cm	10 x 75 green		C0120020	C0120021	B0120022		B0120024	
1 thread of 150 cm	1 x 150 green	C0120025	C0120026	C0120027	C0120028	C0120029	C0120030	B0120031

	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
Pre-cut sutures								
1 thread of 150 cm	1 x 150 green						B0120032	B0120033
2 threads of 75 cm	2 x 75 white	C0100017		C0100008				
1 thread of 150 cm	1 x 150 white			C0102020	C0102025	B0102035		
	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Ligature reels								
1 thread of 250 cm	1 x 250 green	G0120055	G0120056	G0120060	G0120061	G0120062	G0120063	G0120064
	Thread length cm colour	USP (metric)						
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)
1 thread of 250 cm	1 x 250 green			G0120065		G0120067		

PremiCron®

PremiPatch® PTFE pledgets

Pledgets FIRM		Units / foil	Code
3 x 3 x 1.5 mm		6	C0027996
6 x 3 x 1.5 mm		6	C0027995
6 x 3 x 1.5 mm		6	C0027994

Pledgets SOFT		Units / foil	Code
3 x 3 x 1.5 mm		6	C0027990
6 x 3 x 1.5 mm		6	C0027991
9 x 5 x 1.5 mm		6	C0027992
16 x 7 x 1.5 mm		6	C0027993

Dafilon®

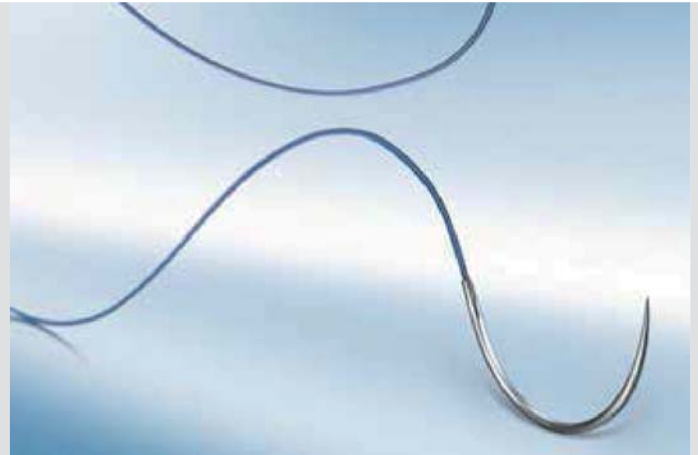
Non-absorbable sutures

DESCRIPTION

Dafilon® is a non-absorbable synthetic monofilament suture made of polyamide polymers 6/6.6 (dyed blue or undyed) or polyamide 6.6 (dyed black). Dafilon® blue and Dafilon® undyed are indicated for the closure of superficial wounds and plastic surgery. Dafilon® black is used for microsurgical and ophthalmic purposes.

INDICATION

- Skin closure (intracutaneous, subcutaneous)
- Plastic and reconstructive surgery
- Microsurgery
- Ophthalmic surgery



ADVANTAGES

- Flexible, easy to handle and tie
- Smooth passage through tissue
- Excellent histocompatibility

Dafilon®

Product overview

Structure

Monofilament



Colour

Black, blue or undyed

Chemical composition

Polyamide

Coating

Uncoated

Origin

Synthetic

Sizes

USP 11/0 (metric 0.1) to USP 5 (metric 7)














Type of absorption














Non-absorbable

Sterilisation













Ethylene oxide / Gamma-irradiation

Needle-thread combination

Needle				Thread length cm colour	USP (metric)						
length mm	angle	diameter microns	11/0 (0.1)		10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	
1/2 circle round bodied needle micro needle											
HRm 4 			8 black	G1118374							
	180°	70µ									
HRm 8 			15 black				G1118030				
	180°	140µ									
3/8 circle round bodied needle micro needle											
DRm 3 			5 10 15 black	G1118064 G1118366	G1118072 G1117041						
	135°	50µ									
DRm 4 			10 black	G1118080	G1118099						
	135°	70µ									
DRm 4s 			10 black		G1118129	G1118137	G1118138				
	135°	140µ									
DRm 5 			15 black		G1118110	G1111434					
	135°	100µ									
2xDRm 5 			15 black		G1118250						
	135°	100µ									
DRm 6 			15 black		G1118013	G1118161	G1118170				
	135°	140µ									
2xDRm 6 			15 30 black			G1118025 G1118535					
	135°	140µ									
Progressive curved round bodied needle micro needle											
PRm 4 			8 black		G1118463						
	95°/ 110°	70µ									
PRm 5 			13 black			G1118471					
	100°/ 90°	100µ									
PRm 6 			15 black				G1118390				
	100°/ 95°	140µ									
3/8 circle round bodied needle with short cutting point (mic)											
DRCm 3 			15 black		G1118048						
	135°	100µ									


Needle				Thread	USP (metric)						
length mm	angle	diameter microns	length cm	colour	11/0 (0.1)	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)
3/8 circle round bodied needle with short cutting point (mic)											
2xDRCm 4 				15 black		G1118404					
	135°	140µ									
DRCm 5 				15 black			G1111140				
	135°	100µ									
2xDRCm 6 				15 black				G1118455			
	135°	140µ									
Progressive curved round bodied needle with short cutting point (mic)											
PRCm 5 				8 13 black		G1118412		G1118420			
	100°/ 90°	100µ									
2xPRCm 5 				3 black		G1118447					
	100°/ 90°	100µ									
PRCm 6 				15 black				G1118439			
	100°/ 95°	140µ									
1/2 circle lancet micro needle											
HLm 6 				15 30 black		G1118625 G1118641	G1118633 G1118650				
	160°	150µ									
2xHLm 6 				30 black		G1118609	G1118617				
	160°	150µ									
HLm 8 				15 black				G1118560			
	175°	200µ									
2xHLm 8 				30 black		G1118737		G1118530			
	175°	200µ									
3/8 circle lancet micro needle											
DLm 4 				15 black	G1110012	G1110020					
	135°	125µ									
DLm 5 				15 30 black		G1118684 G1118838		G1111693			
	140°	150µ									
2xDLm 5 				30 black		G1118862	G1118032				
	140°	150µ									

Needle-thread combination

Needle			Thread	USP (metric)								
length mm	angle	diameter microns	length cm colour	11/0 (0.1)	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)		
3/8 circle lancet micro needle												
DLm 6 	140°	150µ	7		G1118331							
			15		G1118722	G1118730	G1118889					
			30		G1118749	G1118757						
2xDLm 6 	140°	150µ	5						G1118668			
			15		G1111272							
			30	G1111213	G1118706	G1118714	G1118870					
			45		G1118528							
DLm 6s 	137°	200µ	15		G1118781	G1118790	G1118579					
			30		G1110225		G1110250					
			45				G1118854					
2xDLm 6s 	137°	200µ	30		G1118765	G1118773						
			45				G1111248					
1/4 circle lancet micro needle												
2xVLM 6s 	97°	200µ	30 black				G1111337					
1/8 circle lancet micro needle												
SLm 6 	44°	150µ	8 black		G1110055							
Progressive curved lancet micro needle												
PLm 5 	90°/50°	150µ	12 black		G1110802							
2xPLm 5 	90°/50°	150µ	20		G1111922							
			30		G1110326							
1/2 circle lancet needle with micro-point												
 2xHLm 8 			45 blue							G0938210		
1/4 circle lancet needle with micro-point												
 2xVLM 8 			45 blue							C0938106		


Needle length mm	Thread length cm colour	USP (metric)						
		11/0 (0.1)	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)

1/2 circle round bodied needle


HR 10 	45 blue								C0930786
---	------------	--	--	--	--	--	--	--	----------

2xHR 17 	75 blue								C0938248
---	------------	--	--	--	--	--	--	--	----------


Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)

HR 22 	75 blue	C0930210							
--	------------	----------	--	--	--	--	--	--	--

HR 26 	75 blue			C0930423	C0930431				
---	------------	--	--	----------	----------	--	--	--	--

2xHR 26 	75 blue	C0935677							
---	------------	----------	--	--	--	--	--	--	--

HR 26s  <small>Easyslide</small>	75 blue			C0930158					
--	------------	--	--	----------	--	--	--	--	--







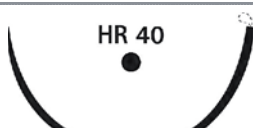

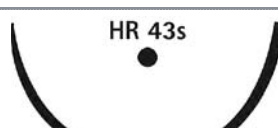
HR 26ss 	100 blue				C0934455				
---	-------------	--	--	--	----------	--	--	--	--

HR 30  <small>Easyslide</small>	150 blue			C0937614					
---	-------------	--	--	----------	--	--	--	--	--

HR 30 	75 100 blue			C0930474 C0930601	C0930482	C0930490 C0930628			
---	-------------------	--	--	----------------------	----------	----------------------	--	--	--


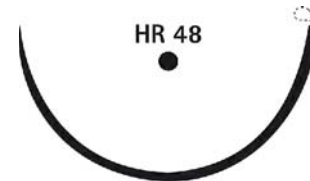
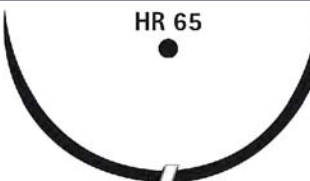
HR 30  <small>loop</small>	150 blue				C0933490				
--	-------------	--	--	--	----------	--	--	--	--

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle								
	100 blue				C0934860			
	75 blue		C0930701					
	75 blue						C0930760	
	150 blue							B0935769
	150 blue							B0934552
	75 100 blue				C0930539 B0934828		B0935549	
	150 blue						B0934534	
	75 100 120 blue			C0935747			B0934844 B0935584	B0935743
	75 blue						C0930962	C0930989


Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)

1/2 circle round bodied needle

 <p>HR 48</p>	75					C0930741	B0930750	
	90							
	100 blue					C0935727	B0930010	
 <p>HR 48</p>	150				B0933589	B0933570		
	200 blue					B0933619		
 <p>HR 65</p>	150 blue					B0934713	B0933670	

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)

3/8 circle round bodied needle










 <p>DR 6</p>	15 black	G1110740						
	Easyslide							
 <p>2xDR 10</p>	45 black	C1118002						
 <p>DR 12</p>	75 blue				C0931071			
 <p>DR 22</p>	75 blue					C0935285	C0935294	C0935296
	135°							





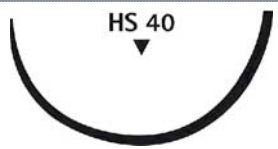
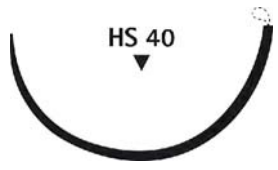
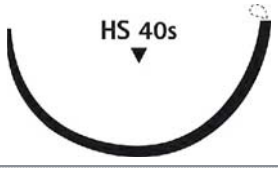

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)

Straight round bodied needle










 <p>2xGR 65</p>	75						B0932730	
	90					C0938505		
	blue							

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
Straight round bodied needle								
 <p>2xGR 75</p>	75 blue					C0930040		
1/2 circle round bodied needle with trocar point								
 <p>HRT 17</p>	75 undyed				C0916148			
 <p>HRT 26</p>	75 blue				C0930139			
 <p>HRT 40s</p>	150 blue							B0934708
 <p>HRT 43</p>	150 blue							B0934710
 <p>HRT 43s</p>	200 blue							B0935630
1/2 circle round bodied needle with blunt point								
 <p>HRN 50</p>	150 blue							B0934028
1/2 circle reverse cutting needle								
 <p>HS 15</p>	45 60 75 blue	C0936028	C0936593	C0932507	C0935410			
 <p>HS 18</p>	90 blue				C0936664			





Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle reverse cutting needle								
 HS 21	75 90 blue				C0932876 C0932884	C0932873		
 HS 26	45 75 90 120 blue		C0934406		C0935948 C0935963 C0932957	C0935964 C0934968 C0930104	C0932973	
 HS 30	75 90 blue				C0935000 C0934003	C0934011	C0935002 C0934020	C0935034 C0934038
 HS 37	90 blue					C0934054		C0934046
 HS 40	75 90 100 blue						C0932760 B0934585	C0932779 C0932787
 HS 40 loop	150 blue							B0934518
 HS 40s loop	120 blue						B0932769	
 HS 48	75 blue						C0932612	C0932620

Needle-thread combination







Needle length mm	Thread length cm colour	USP (metric)						
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)
1/2 circle reverse cutting needle								
 HS 48	75							
	90							
	100							
	blue				C0932604 C0935620	B0933159		
3/8 circle reverse cutting needle								
Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
 DS 9	45	C0932019	C0932020					
	blue							
	45	C0933066	C0933074					
	75	C0934061						
 DS 12	45				C0932086			
	60	C0935042	C0935050		C0935069			
	75		C0934070					
	90		C0934067					
	blue							
 DS 16	45	C0933112	C0933120	C0933139				
	75							
	45				C0935106			
	60	C0932108			C0932140			
 DS 19	75							
	45		C0933198	C0933201	C0933210			
	75		C0933236	C0933244	C0933252			
	45					C0932221	C0935181	
 DS 24	75							
	45							
	75		C0932317					
	90							
 DS 24	75			C0933341	C0933350	C0933368		
	120			C0933384	C0933392	C0933406		
	90							
	blue			C0935310	C0935328	C0935336		
	blue				C0930105			C0932370 C0935379 C0935387
								C0935380

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)

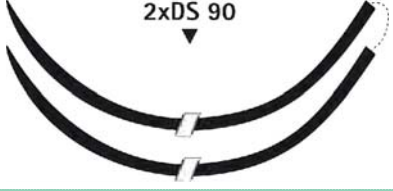




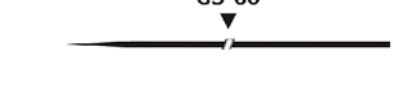




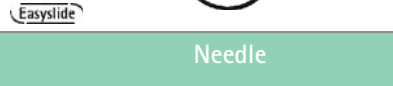

3/8 circle reverse cutting needle



















 DS 30 	45				C0933422	C0933430		
	75				C0933457		C0933465	C0932493
	45			C0932441			C0932485	C0932493
	75			C0932450			C0935484	C0935492
	90				C0934410	C0935522	C0934391	C0934429
	blue							
 DS 35	75					C0932809		C0930095
	90				C0934780	C0934801	C0934810	C0934836
	blue							
 DS 39	45					C0932545		
	75			C0932531	C0932540	C0932558	C0932566	C0932574
	90					C0934569	C0934573	C0934577
	blue							

Needle length mm	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)

 DS 39	90							B0934579	
	blue								
 DS 45	75				C0932850				
	100				C0935859				
	150				C0930015				
	blue								
 DS 48	75				C0932582			G0931640	
	90				C0932784				
	100						B0934224		
	blue								
	135°								
 DS 60	100				B0935905	B0935913	B0935915	B0935914	
	blue								
 DS 76	50							C0932650	
	3 x 50							B0935910	
	75							B0931641	
	100			C0932272	C0932280				
blue									
 DS 90	3 x 50							G0930182	
	100				C0934916	C0934917	C0934909	C0934925	B0934933
	blue								

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle								
	75 blue							G0938920
Straight reverse cutting needle								
	90 blue		C0931056					
	45 blue			C0932736				
	75 90 blue		C0935590	C0935603	C0935611	C0935530 C0935565	C0935573	
	75 undyed 75 90 blue			C0912224				
	75 undyed		C0932647	C0932655	C0932663			
	90 blue		C0935557	C0935646	C0935654			C0935735
	75 blue						C0932710	
1/2 circle reverse cutting needle with precision point								
	45 blue	C0932998						
	45 undyed	C0916618	C0916626					
	45 blue	C0936618	C0936626	C0935418				
Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle reverse cutting needle with precision point								
	15 black	C1118001						

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle reverse cutting needle with precision point								
 DSMP 7 	45 blue			C0930018				
 DSMP 11 	45 75 undyed			C0916122 C0916022				
	45 blue			C0936022	C0936014			
 DSMP 13 	45 75 undyed			C0916081	C0916133 C0916033	C0916134		
	45 blue			C0936081	C0936090	C0936103		
 DSMP 16 	45 75 undyed			C0912242	C0916143 C0916043	C0916144 C0916044		
	45 75 blue			C0936146 C0936143	C0936154 C0936650	C0936162		
 DSMP 19 	45 75 undyed				C0912247	C0916154 C0916054	C0916155 C0916055	
	45 75 blue			C0936226	C0936227	C0936235 C0936731	C0936243 C0936740	C0936251
 DSMP 24 	45 75 undyed					C0916308	C0916165 C0916065	
	45 75 blue			C0936280	C0936294	C0936839	C0936316 C0936812	C0936324 C0936820
 DSMP 24s 	75 blue	135°					C0936814	
 DSMP 30 	75 blue						C0936952	C0936378
 DSMP 39 	75 blue							C0934570

Needle-thread combination

	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
Pre-cut sutures								
3 threads of 45 cm	3 x 45 blue			C0436275	C0436283			
2 threads of 100 cm	2 x 100 blue	C0431249	C0431257	C0431265	C0431273	C0431290	B0431303	
1 thread of 150 cm	1 x 150 blue	C0432040	C0432059	C0432067				
Ligature reels								
1 thread of 250 cm	1 x 250 blue			G0436006				
Pre-cut sutures								
6 threads of 45 cm	6 x 45 blue	B0436532	B0436533	B0436534	B0436535	B0436536	B0436537	B0436538
	Thread length cm colour	USP (metric)						
		2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)
6 threads of 45 cm	6 x 45 blue				B0436540			
	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
10 threads of 45 cm	10 x 45 blue	B0436650	B0436658	B0436675				
6 threads of 60 cm	6 x 60 blue			B0436500			B0436503	B0436504

Trelon®

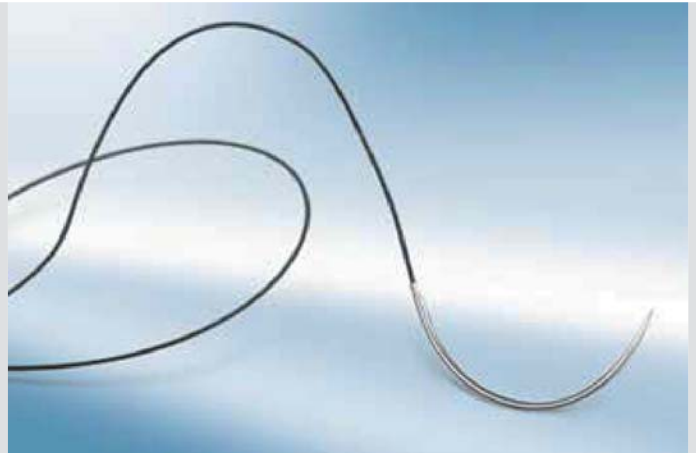
Non-absorbable sutures

DESCRIPTION

Trelon® is a non-absorbable synthetic suture made of braided polyamide 6/6 with a silicone coating. It is available in black.

INDICATION

- General surgery
- Ligatures
- Ophthalmic surgery



Trelon®

Product overview

Structure Braided



Colour Black

Chemical composition Polyamide

Coating Silicone







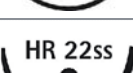






Origin Synthetic









Sizes USP 6/0 (metric 0.7) to USP 3 (metric 6)

Type of absorption Non-absorbable









Sterilisation Gamma-irradiation

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 13	8 x 45 black			M0790145					
 HR 13 take off	8 x 45 black			M0790135					
 HR 17	8 x 45 black			M0790165					
 HR 17 take off	8 x 45 black				M0790176				
 HR 22	75 8 x 75 black					C0790415 M0790436			
 HR 22 take off	8 x 45 8 x 75 black				M0790185	M0790435			
 HR 22ss take off	8 x 45 black						M0790446		
 HR 26	75 8 x 75 black					C0790225 M0790559			
 HR 26 take off	8 x 45 8 x 75 black				M0790205 M0790215	M0790206 M0790216			
 HR 26s take off	8 x 45 black					M0790235	M0790236		
 HR 26ss take off	8 x 45 black					M0790245			
 HR 30ss take off	8 x 45 black						M0790256		
 HR 37s	75 black						C0790296	C0790295	

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle									
 HR 37s take off	8 x 45 black						M0790276	M0790285	
 HR 48 take off	8 x 45 black							M0790305	
1/2 circle round bodied needle with short cutting point									
 HRC 40s	100 black							B0790319	
1/2 circle round bodied needle with trocar point									
 HRT 40s	100 black							B0790315	
1/2 circle reverse cutting needle									
 HS 23ss	75 black							C0790345	
 HS 40s	45 120 black					C0790385		B0790495	
 HS 40ss take off	3 x 45 black							M0790395	
3/8 circle reverse cutting needle									
 DS 19	45 black			C0790006					

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle									
 DS 24 take off	8 x 45 black			M0790015					
 DS 30	45 black						C0790046		
 DS 30 take off	8 x 45 black					M0790475			
 DS 39	75 black						C0790056		
3/8 circle reverse cutting needle with precision point									
 DSMP 11 	45 black	C0790065							
 DSMP 19 	45 black			C0790095	C0790425				

	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
Pre-cut sutures									
3 threads of 45 cm	3 x 45 black	C0780065	C0780066	C0780067	C0780068	C0780069	C0780070	C0780071	C0780072
6 threads of 45 cm	6 x 45 black	C0780080	C0780081	C0780082		B0780083	B0780084	B0780085	B0780086
12 threads of 45 cm	12 x 45 black		C0780024	C0780025					
17 threads of 45 cm	17 x 45 black			B0780002	B0780005	B0780008			
2 threads of 75 cm	2 x 75 black		C0780053	C0780054	C0780055	C0780056	C0780057	C0780058	B0780059
7 threads of 75 cm	7 x 75 black					B0780090			
10 threads of 75 cm	10 x 75 black			C0780015	C0780016	B0780017	B0780018		
1 thread of 100 cm	1 x 100 black			C0780110	C0780108				
1 thread of 150 cm	1 x 150 black	C0780040	C0780041	C0780042	C0780043		C0780045		B0780047
Ligature reels									
1 thread of 250 cm	1 x 250 black		G0780099	G0780100	G0780101	G0780102	G0780103	G0780104	

Supramid

Non-absorbable sutures

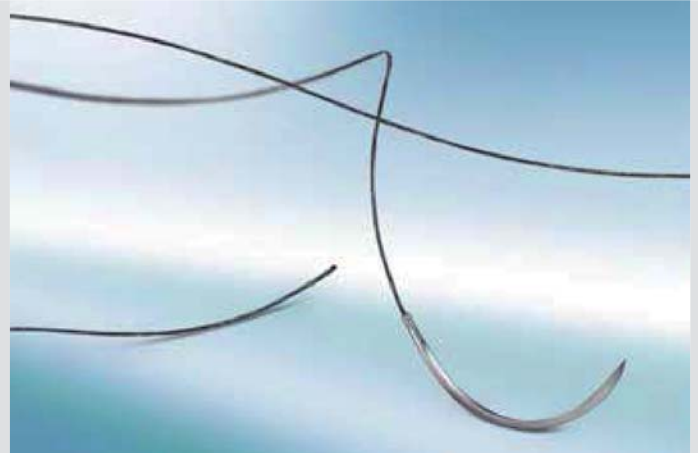
DESCRIPTION

Supramid is a non-absorbable synthetic suture made of polyamide, available in two different structures depending on suture diameter:

- Supramid pseudomonofilament consists of a core of polyamide 6.6 and a sheath of polyamide 6, ranging from USP 4/0 to 2.
- Supramid monofilament is made of polyamide 6 with a range from USP 6/0 to 5/0.

INDICATION

- Skin closure



ADVANTAGES

- Exceptional handling qualities due to combined benefits of monofilament and multifilament threads
- Smooth uniform surface allowing effortless passage through tissue
- Easy removal from skin
- Low tissue reactivity

Supramid















Product overview

Structure	Monofilament (USP 6/0 - 5/0) Pseudo-monofilament (USP 4/0 - 2)
Colour	Black or white
Chemical composition	Polyamide
Coating	Uncoated
Origin	Synthetic
Sizes	USP 6/0 (metric 0.7) to USP 2 (metric 5)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation



Supramid

Needle-thread combination












Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/4 circle lancet needle with micro-point									
 VLM 8 	20 white			G0690008					
 2xVLM 8 	45 white		G0698642	G0698643					
1/2 circle round bodied needle									
	75 black			C0710130	C0710148				
	75 black				C0710245				
	75 black					C0710474			
	75 white					C0690465			
3/8 circle round bodied needle									
	75 white			C0691097	C0691098				
Straight round bodied needle									
	45 black			C0711292	C0711306				
1/2 circle round bodied needle with trocar point									
 HRT 17 	75 black				G0715140				
1/2 circle reverse cutting needle									
	45 black		C0712035	C0712043	C0712051				
	45 black		C0712248	C0712256	C0712264				
	45 75 white				C0692263 C0692719				
	45 black				C0712302				

C Box of 36 units

B Box of 24 units







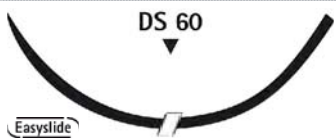



G Box of 12 units



M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle reverse cutting needle									
HS 26 	75 90 120 black				C0712418	C0712426 C0710101 C0710102	C0712434		
HS 26s 	75 black							C0712442	
HS 30 	75 white					C0692689			
HS 37 	75 white						C0692549		
HS 40s 	120 white							B0694770	
HS 48 	75 white							C0692859	
3/8 circle reverse cutting needle									
DS 12 	45 75 black	C0712060	C0712078 C0714070	C0712086	C0712094				
	45 white			C0692085					
2xDS 12 	45 white			C0699403					
DS 16 	45 75 black	C0712116	C0712124	C0712132 C0714135	C0712140				
	45 white			C0692131	C0692132				
 DS 19f 	45 black			C0714060					

Supramid

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle									
 DS 19	45		C0712191	C0712205	C0712213	C0712221			
	75 black			C0714208	C0714216	C0714224			
	75 white				C0692212				
 DS 24	45			C0712345	C0712353	C0712361	C0712370		
	75 black				C0714356	C0714364	C0714372	C0714380	
	45 white				C0692352				
 DS 30	45				C0712469	C0712477	C0712485	C0712493	
	75 black				C0714461	C0714470	C0714488		
	75 white						C0694487		
 DS 35	75 black					C0712612			
	75 white						C0692620		
 DS 39	75 black				C0712540	C0712558	C0712566	C0712574	
 DS 48	75 black								B0712604
 DS 60	100 black								B0715827
Straight reverse cutting needle									
 GS 51	75 black				C0712850				
	75 white				C0692956	C0692964	C0692972		
1/2 circle reverse cutting needle with precision point									
 HSMP 15	45 black		C0716189						
 HSMP 18	45 black			C0716219					

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle with precision point									
 DSMP 11 	45 black	C0716073	C0716081						

Supramid

Needle-thread combination

	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
Pre-cut sutures									
5 threads of 45 cm	5 x 45 black		C0216445	C0216453	C0216461	C0216470			
1 thread of 75 cm	1 x 75 black			C0214051					
1 thread of 150 cm	1 x 150 black			C0212059	C0212067	C0212075	C0212091	C0212105	
5 threads of 45 cm	5 x 45 white			C0196452	C0196460	C0196479			
1 thread of 150 cm	1 x 150 white			C0192058	C0192066	C0192074	C0192090	C0192104	
Ligature reels									
1 thread of 250 cm	1 x 250 white			G0190225	G0190233	G0190241	G0190250	G0190268	

Dagrofil®

Non-absorbable sutures

DESCRIPTION

Dagrofil® is a non-absorbable non-coated braided synthetic multifilament composed of polyester fibres. Available in green or white.

INDICATION

- General surgery
- Orthopaedics
- Ligatures



Dagrofil®

Product overview

Structure

Braided



Colour

Green or white

Chemical composition

Polyester

Coating

Uncoated

Origin

Synthetic

Sizes

USP 6/0 (metric 0.7) to USP 8 (metric 10)

Type of absorption














Non-absorbable

Sterilisation

Gamma-irradiation

Dagrofil®

Needle-thread combination











Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle lancet needle with micro-point									
 2xHLM 8 	45 green			G0848630					
1/4 circle lancet needle with micro-point									
 2xVLM 8 	45 green	G0848430	G0848425						
	45 white		G0858420	G0858630					
1/2 circle round bodied needle									
 HR 17	75 green			C0840130	C0840149				
	75 white			C0850136	C0850144				
 HR 22	75 green			C0840297	C0840300	C0840319			
 HR 26	75 green				C0840416	C0840424	C0840432	C0840491	
	75 white					C0850420			
 HR 30	75 green				C0840467	C0840475	C0840483	C0840556	C0840440
 HR 37	75 green						C0840521	C0840530	
 HR 37s	75 green						C0840522		
3/8 circle round bodied needle									
 2xDR 12	45 white			C0858188					
 DR 22	75 green							C0841366	
 DR 32	75 green					C0841587	C0841595	C0841609	

C Box of 36 units

B Box of 24 units


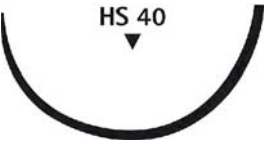







G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Straight round bodied needle									
GR 19 	45 green				C0841528				
1/2 circle round bodied needle with short cutting point									
HRC 17 	45 green				C0844149				
2xHRC 26 	90 green					C0849350			
1/2 circle round bodied needle with trocar point									
2xHRT 26 	90 green					C0849383			
1/2 circle reverse cutting needle									
HS 18 	45 green				C0844350				
HS 21 	75 green				C0844535				
HS 23 	45 green				C0842303				
HS 26 	75 green					C0842427			
HS 30 	75 green						C0842249	C0842257	C0842265
HS 37 	75 green							C0842281	

Dagrofil®

Needle-thread combination





Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle reverse cutting needle										
	75 green								C0842273	
Needle length mm	Thread length cm colour	USP (metric)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
	75 green									B0842648
3/8 circle reverse cutting needle										
	45 white		C0858056							
	45	C0842125								
	75 green		C0845198							
	45									
	75 green	C0842192	C0842206	C0842214	C0842222					
	45									
	75 green			C0844357	C0844365					
	45			C0842354	C0842362					
	75 green			C0854352	C0850400					
	75 green					C0842478	C0842486	C0842494		
	75 green						C0842583	C0842591		
Straight reverse cutting needle										
	75 green				C0842664					

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
3/8 circle reverse cutting needle with precision point									
 2xDSMP 11 	45 green			C0848060					
	45 green				C0846198				
 DSMP 13 	45 white					C0854336			

Needle-thread combination

	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
Pre-cut sutures									
3 threads of 45 cm	3 x 45 green	C0346241	C0346250	C0346268	C0346276	C0346292	C0346306		
5 threads of 45 cm	5 x 45 green		C0346454	C0346462	C0346470	B0346497	B0346500		
10 threads of 45 cm	10 x 45 green	C0346640	C0346659	C0346667	B0346675	B0346691			
17 threads of 45 cm	17 x 45 green			C0346861					
2 threads of 75 cm	2 x 75 green			C0344060	C0344079	C0344095	C0344109	B0344117	
5 threads of 75 cm	5 x 75 green					B0344494			
1 thread of 150 cm	1 x 150 green		C0342050	C0342068	C0342076	C0342092	C0342106	B0342114	B0342122
	Thread length cm colour	USP (metric)							
		2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)	9 (11)
1 thread of 150 cm	1 x 150 green				B0342130	B0342149		B0342160	
1 thread of 150 cm	1 x 150 white	C0372102							
	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
Ligature reels									
1 thread of 250 cm	1 x 250 green	G0341215	G0341223	G0341231	G0341240	G0341258	G0341266	G0341274	G0341282
1 thread of 250 cm	1 x 250 white		G0371243	G0371244	G0371245	G0371246	G0371247		

Silkam®

Non-absorbable sutures

DESCRIPTION

Silkam® is a non-absorbable, braided and coated suture, made of natural silk filaments. Silkam® is basically indicated for applications where it is surgical practice to employ non-absorbable suture material. Silkam® is available in black and white.

INDICATION

- General surgery
- Skin closure
- Oral surgery
- Neurosurgery
- Ophthalmic surgery
- Ligatures



Silkam®

Product overview

Structure

Braided



Colour

Black or white

Chemical composition

Natural silk filaments

Coating

Refined paraffin wax

Origin

Natural

Sizes

USP 8/0 (metric 0.4) to USP 6 (metric 8)













Type of absorption










Non-absorbable

Sterilisation












Gamma-irradiation











Needle-thread combination

angle	Needle length mm	Thread length cm colour	USP (metric)							
			7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle lancet needle with micro-point										
135°	2xDLm 6 	45 black		G0760384						
1/4 circle lancet needle with micro-point										
	2xVLM 8 	45 black	G0768758	G0768723	G0768731					
1/2 circle round bodied needle										
	HR 10 	45 75 black		C0760021 C0764043	C0760030 C0764027	C0760048				
	HR 13 	8 x 45 black					M0766294			
	HR 13 	45 75 black			C0760072	C0760080 C0764086	C0760099 C0764094			
	HR 13 	8 x 45 black	take off				M0766076			
	HR 17 	75 black			C0760129	C0760137	C0760145	C0760153		
	HR 17 	8 x 45 black	take off				M0766115			
	2xHR 17 	60 90 black					C0769299 C0769029			
	HR 20 	75 black						C0760242		
	HR 22 	75 90 black			C0760285	C0760293	C0760307 C0765374	C0760315		
	HR 26 	45 75 90 black			C0765279	C0760404	C0760412 C0765023	C0760420 C0765024	C0760439 C0765378	C0760447










Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle									
 HR 26 take off	4 x 45				C0766498	C0766168	C0766169		
	5 x 45				B0766500	B0766178	B0767027		
	8 x 45					M0766423	M0766426		
	4 x 75						B0767026		
	8 x 75						M0766445		
	black								
 HR 26s	75								C0760927
	black								
 HR 26s take off	4 x 45						C0767023		
	black								
 HR 30	75					C0760463	C0760471	C0760480	C0760498
	black								
 HR 30s	75								C0760951
	black								
Needle length mm	Thread length cm colour	6/0 (0.7)	5/0 (1)	4/0 (1.5)	USP (metric)				
					3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
 HR 30s	75								C0760952
	black								
 HR 37	75				C0760501	C0760510	C0760528	C0760536	C0760544
	black								
 HR 37s	75					C0760900	C0760960	C0760978	C0760986
	black								
 HR 40	75					C0770477		C0770493	C0770507
	black								

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle round bodied needle										
 HR 40s	75 black									C0760560
 HR 48	75 black								C0760625	
3/8 circle round bodied needle										
 DR 8	45 black	C0766542								
Needle length mm	Thread length cm colour	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
 2xDR 8	45 black	C0768529								
 DR 10	45 75 black			C0761010	C0761028 C0761137					
 2xDR 10	45 75 black			C0769126 C0767220						
 DR 12	45 75 black			C0761060 C0765295	C0761079 C0765309	C0765317	C0765325			
 2xDR 12	45 75 black			C0769215			C0769240 C0769193			
 DR 15	45 75 black				C0761147	C0761133 C0765767		C0761150		
 DR 18	75 black				C0761192	C0761206	C0761214			
 DR 22	75 black						C0761311	C0761273		







Needle length mm	Thread length cm colour	USP (metric)								
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
3/8 circle round bodied needle										
 DR 32	75 black							C0761460	C0761478	C0761476
Needle length mm	Thread length cm colour	USP (metric)								
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	
 DR 32	75 black							C0761494	C0761508	
Ski Needle round bodied needle										
 Easyslide SKR 19	20 black			C0764324						
 Easyslide SKR 26	30 45 black			C0761020	C0764450					
Straight round bodied needle										
 GR 19	45 75 black		C0761290 C0765511							
 GR 51	75 90 black				C0765554		C0761613			
1/2 circle round bodied needle with short cutting point										
 HRC 17	4 x 45 75 black		C0760765	C0766506 C0760766	C0760767					
 HRC 26	75 black			C0760739	C0760740					
 HRC 37	75 black						C0760774			
1/2 circle round bodied needle with trocar point										
 HRT 17	4 x 45 75 black		C0763136	C0766127 C0763144	C0763152					

Needle-thread combination


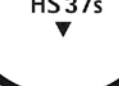

Needle length mm	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle round bodied needle with trocar point									
 HRT 26	75 black			C0763411	C0763420				
 HRT 37	75 black					C0763527			
 HRT 48 <small>Easyslide</small>	90 black					C0769100			
3/8 circle round bodied needle with trocar point									
 DRT 18	75 black			C0763217					
Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle round bodied needle with micro trocar point									
 DRTM 8	45 black	C0766950							
3/8 circle round bodied needle with blunt point									
 DRN 16	45 2 x 45 2 x 75 black					C0766372 C0766390 C0766394			
 2xDRN 16	60 black					G0766380			
1/2 circle reverse cutting needle									
 HS 9	75 black			C0762016					
 HS 15	45 75 black			C0762032 C0765490	C0762040 C0765503	C0762059			

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)











1/2 circle reverse cutting needle


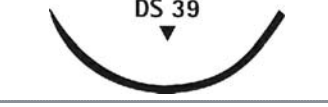






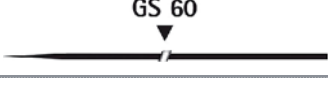


 <p>HS 18</p>	45 black				G0762563	C0762547			
 <p>HS 21</p>	45 75 black			C0762245 C0764876	C0762253 C0764825	C0762261 C0764248	C0762270 C0764175		
 <p>HS 23</p>	45 75 black					C0762300 C0764302	C0762326 C0764303		
 <p>HS 26</p>	45 75 black				C0762407	C0764400 C0762415	C0762423	C0762431	
 <p>HS 26s</p>	75 black								C0762440
 <p>HS 30</p>	75 black					C0764612	C0764779	C0764620	C0764647

Needle length mm	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)



























 <p>HS 30</p>	75 black						C0764698		
 <p>HS 37s</p>	75 black			C0762954	C0764388	C0762970	C0764396		
 <p>HS 48</p>	75 90 black				C0764582 C0764581	C0764590			









Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)							
		7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle reverse cutting needle									
DS 9 	45 black	C0764000	C0762024						
DS 12 	45 75 black		C0762067 C0765066	C0762075 C0765074	C0762083 C0765082	C0762091 C0765597			
	45 white			C0732079					
2xDS 12 	45 black		C0768464	C0768472	C0768480				
DS 16 	45		C0762113	C0762121	C0762130	C0762148	C0762156		
	75		C0764060	C0764124	C0764132	C0764140	C0764159		
	90 black					C0764064			
2xDS 16 	45					C0767840			
	75 black						C0767158		
DS 19 	45 75 90 black		C0765171	C0762199 C0765198	C0762202 C0765201 C0765203	C0762210 C0765210 C0765212	C0762229 C0765228 C0764069	C0765236	C0762384 C0761998
	45 white					C0730010			
DS 24 	45 75 90 black			C0765120	C0765090 C0762342	C0765104 C0762350	C0765112 C0762369	C0762377	C0765117 C0761999
	45 white					C0732354			
DS 30 	45 75 black						C0765473 C0762474	C0765481 C0762482	C0762490
						C0762466			
Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
DS 30 	75 black								C0762504
DS 30 	4 x 45 black					C0766850			

Needle length mm	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle reverse cutting needle									
 DS 35 EasySlide	75 75 black				C0772410	C0772429	C0772437	C0764183	C0764184
 DS 39	75 black					C0762598	C0762601	C0762610	C0762628
 DS 45	75 black						C0762636	C0762393	
 DS 48	75 black					C0764817	C0762814	C0762776	
 DS 60	75 100 black							C0764892 B0760350	
 DS 76	100 black					C0765350			
 DS 90	100 black					C0764906	C0764914	C0764922	
Straight reverse cutting needle									
 GS 51	75 100 black			C0764655	C0762741 C0764787	C0762750 C0764990	C0762760 C0765031	C0762768	
 GS 60	75 100 black			C0762644	C0762652 C0764744	C0762660 C0764752	C0762679 C0764760	C0764690 B0764762	
 GS 75	75 100 black				C0765694	C0762709 C0764728	C0762717 C0764710		
 GS 81	100 black					C0764957	C0765163		

Needle-thread combination

Needle length mm	Thread length cm colour	USP (metric)								
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	
1/2 circle reverse cutting needle with precision point										
 2xHSMP 7 	45 black	C0768790								
 HSMP 9 	45 black				C0766135					
 HSMP 15 	45 black	C0766136	C0766137	C0766138						
Needle length mm	Thread length cm colour	USP (metric)								
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
3/8 circle reverse cutting needle with precision point										
 DSMP 6 	45 black	C0766020								
 2xDSMP 6 	45 black	C0768022								
 DSMP 7 	45 black		C0766038	C0766046						
 2xDSMP 7 	45 black		C0768073	C0768065						
 DSMP 11 	45 black			C0766070	C0766089					
 2xDSMP 11 	45 black		C0768260	C0768278						
 DSMP 13 	45 75 black			C0766186	C0766194 C0764191	C0766208				
 2xDSMP 13 	45 black					C0768863				
 DSMP 16 	45 75 black			C0766216	C0766224	C0766232 C0764230				
 2xDSMP 16 	45 black					C0767239				

Needle length mm	Thread length cm colour	USP (metric)								
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	
3/8 circle reverse cutting needle with precision point										
 DSMP 19 	45 black				C0766704	C0766682	C0766690	C0766700		
 DSMP 24 	45 75 black					C0766262	C0766275	C0766283 C0766049		
 DSMP 30 	75 black									C0762486
 DSMP 39 	75 black							C0766654		



Needle-thread combination

	Thread length cm colour	USP (metric)							
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
Pre-cut sutures									
3 threads of 45 cm	3 x 45 black		C0266248	C0266256	C0266264	C0266272	C0266299	C0266302	C0266310
5 threads of 45 cm	5 x 45 black			C0266450	C0266469	C0266477	B0266493	B0266507	
10 threads of 45 cm	10 x 45 black	C0266639	C0266647	C0266655	C0266663	B0266671	B0266698		
12 threads of 45 cm	12 x 45 black		C0268640	C0268658	C0268666				
	Thread length cm colour	USP (metric)							
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
17 threads of 45 cm	17 x 45 black	C0266825		C0266841	C0266850	C0266868	B0266876	B0266892	
5 threads of 60 cm	5 x 60 black						C0265373		
10 threads of 60 cm	10 x 60 black					C0263664	B0263672	B0263680	
13 threads of 60 cm	13 x 60 black			C0263842	C0263850	C0263869	B0263877	B0263893	
15 threads of 60 cm	15 x 60 black			C0284840	C0284858	C0284866	B0284874	B0284890	B0284904
1 thread of 75 cm	1 x 75 black				C0265152				
2 threads of 75 cm	2 x 75 black					C0264067	C0264075	C0264091	C0264105
	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
2 threads of 75 cm	2 x 75 black							B0264113	
5 threads of 75 cm	5 x 75 black	C0264440	C0264458	C0264466	C0264474	B0264490	B0264504		
10 threads of 75 cm	10 x 75 black	C0264644	C0264652	C0264660	B0264679	B0264695	B0264696		
1 thread of 150 cm	1 x 150 black	C0262048	C0262056	C0262064	C0262072	C0262099	C0262102		
	Thread length cm colour	USP (metric)							
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)
1 thread of 150 cm	1 x 150 black					B0262137	B0262145		

	Thread length cm colour	USP (metric)							
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)
Pre-cut sutures									
2 threads of 150 cm	2 x 150 black		B0262609						
	Thread length cm colour	USP (metric)							
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
1 thread of 180 cm	1 x 180 black		C0268054	C0268062	C0268070	C0268097			
Ligature reels									
1 thread of 250 cm	1 x 250 black	G0260410	G0260428	G0260436	G0260444	G0260452	G0260460	G0260479	
	Thread length cm colour	USP (metric)							
		2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)
1 thread of 250 cm	1 x 250 black							G0260487	
1 thread of 250 cm	1 x 250 white				G0230260			G0230286	

Steelex®

Non-absorbable sutures

DESCRIPTION

Steelex® is a non-absorbable, twisted or monofilament suture, made of corrosion-resistant steel for orthopaedic surgery and sternal closure.

INDICATION

- Orthopaedics
- Sternal Closure



ADVANTAGES

- Exceptional tensile strength
- Excellent tissue compatibility

Steelex®

Product overview

Structure Monofilament or twisted



Colour metallic

Chemical composition Stainless steel

Coating Uncoated











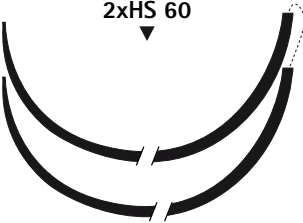
Origin Metal

Sizes USP 5/0 (metric 1) to USP 7 (metric 9)

Type of absorption Non-absorbable







Sterilisation Gamma-irradiation

Needle-thread combination


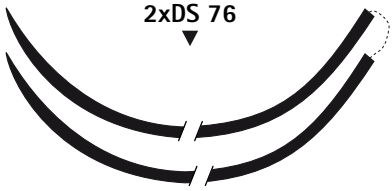
Needle length mm	Thread length cm structure	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle round bodied needle								
 HR 17	 4 x 75 Monofilament				G0592545			
 HR 22	75 Twisted	G0610283						
 HR 26	 4 x 45 Monofilament					G0593019	G0593020	
 HR 30	75 Twisted			G0610461				
 HR 37ss	 4 x 45 Monofilament						G0593052	
1/2 circle reverse cutting needle								
 HS 26s	45 Monofilament						G0593508	
 HS 37s	60 75 Monofilament				G0595950	G0592960		
Needle length mm	Thread length cm structure	USP (metric)						
		2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)
 2xHS 60	75 Monofilament				G0599530			

Needle length mm	Thread length cm structure	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)

3/8 circle reverse cutting needle

DS 19 	45 Twisted	G0612197						
	75 Monofilament		G0595209	G0595217				
DS 24 	45 Twisted		G0612340	G0612359				
	75 Monofilament			G0594350				
DS 30 	45 Twisted				G0612472			
	75 Monofilament				G0592471			
DS 39 	45 Monofilament				G0592793			
DS 45 	60 60 Monofilament							G0595230
2xDS 60 	75 Monofilament							G0599409

Needle length mm	Thread length cm structure	USP (metric)						
		1 (4)	2 (5)	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)

2xDS 60 	75 Monofilament			G0599417				
2xDS 76 	75 Monofilament		G0599480	G0599484		G0599492	G0599506	

Needle-thread combination

	Thread length cm structure	USP (metric)						
		3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
Ligature reels								
150 cm	150 metallic		G0092061	G0092070	G0092096	G0092100		
250 cm	250 metallic		G0094137		G0094153			
Pre-cut sutures								
6 threads of 45 cm	6 x 45 metallic	G0098442	G0098469	G0098477	G0098485	G0098493	G0098507	
	Thread length cm structure	USP (metric)						
		3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)	9 (11)
6 threads of 45 cm	6 x 45 metallic			G0098515	G0098523	G0098531		
	Thread length cm structure	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
3 threads of 60 cm	3 x 60 metallic			G0094269	G0094277	G0094285		

MECHANICAL SUTURES

Manipler AZ

Skin staple remover

Manipler AZ

RELIABLE CONSISTENT PERFORMANCE

DESCRIPTION

The Manipler AZ is a sterile single-use skin stapler designed to deliver 35 stainless steel staples at the end of any surgical procedure. It offers reliable / intuitive handling, thus reducing the risk to the patient.

INDICATION


Manipler AZ skin stapler can be used for routine skin closure in a wide variety of surgical procedures, e. g.:

- General surgery
- Gynecology
- Orthopedics
- Thoracic surgery
- Heart and vascular surgery
- Urology
- Others



ADVANTAGES

- High quality construction
- Well balanced weight and ergonomic design
- Slim grip design
- Special angled head
- Flexible placement angle
- Alignment indicator

Size	Content / box	Cat. No.	Shape and staple dim.
35 W Cartridge loaded with 35 wide staples	6 units	783100	

Skin staple remover

FAST AND EASY

DESCRIPTION

The single-use and re-usable skin staple removers are designed to provide fast and easy removal of all types of surgical skin staples.

INDICATION

Removal of surgical skin staples

ADVANTAGES

- Removes atraumatically all brands of surgical skin staples
- Fast and easy removal
- Available in re-usable and single-use version



Product description	Content / box	Cat. No.
Single-use skin staple remover	6 units	783101
Re-usable skin staple remover	1 unit	783102

SETS

Safil® Parenchyma-Set

Securex®

Tendo-Loop

Cervix-Set

Patella-Set

Tendofil®

Ventrofil®

Surgical Loop

Steelex® Sternum-Set

Steelex® Electrode-Set

Pro-Set

SETS



SETS



Safil® Parenchyma-Set

FOR PARENCHYMAL ORGANS

DESCRIPTION

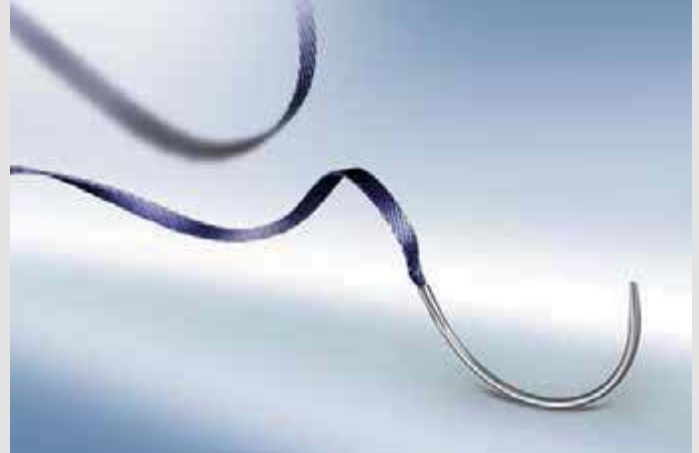
Parenchyma-Set is a special suture set consisting of an absorbable Safil® violet tape of polyglycolic acid, attached to a round bodied blunt needle. It presents wide structure and soft consistence to avoid incision and devitalisation of the parenchymal organ.

INDICATION

- Safil® Parenchyma-Set is indicated for adaptation and hemostasis of parenchymal organs

ADVANTAGES

- Flexibility thanks to its flat woven structure
- Smooth passage through tissue




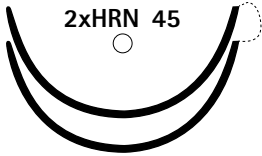
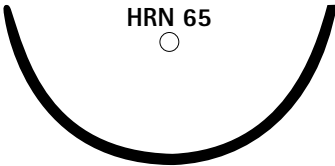
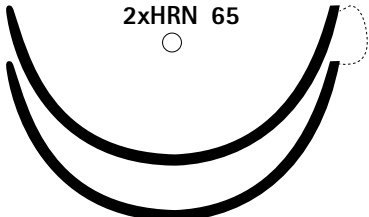
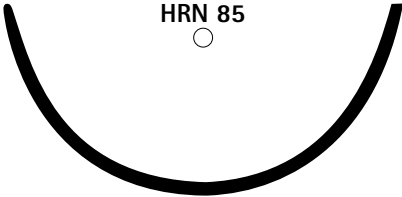
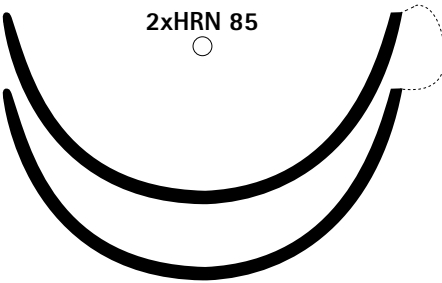
Safil® Parenchyma- Set

Product overview

Structure	Tape
	
Color	Violet
Chemical composition	Polyglycolic acid
Coating	Uncoated
Origin	Synthetic
Sizes	3 mm wide tape
Type of absorption	By hydrolysis
Sterilisation	Ethylene oxide

Safil® Parenchyma-Set

FOR PARENCHYMAL ORGANS

Needle	Length	Width	Content / box	Catalog No.
 <p>HRN 45</p>	60 cm	3 mm	6 sets	M0998520
 <p>2xHRN 45</p>	75 cm	3 mm	6 sets	M0998519
 <p>HRN 65</p>	60 cm	3 mm	6 sets	M0998490
 <p>2xHRN 65</p>	75 cm	3 mm	6 sets	M0998489
 <p>HRN 85</p>	60 cm 90 cm	3 mm 3 mm	6 sets 6 sets	M0998295 M0998505
 <p>2xHRN 85</p>	75 cm	3 mm	6 sets	M0998284

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

DESCRIPTION

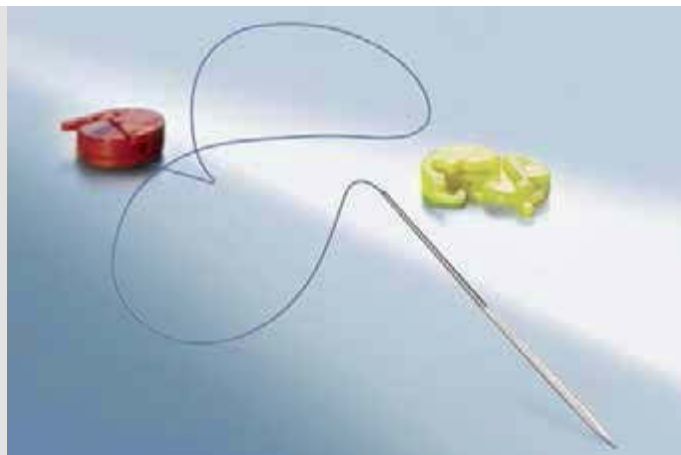
The intracutaneous suture is usually continuous and is performed with either a curved cutting needle or a straight cutting needle. As this method involves removal of the suture, a monofilament, non-capillary material with a very smooth surface is required.

The set consists of

- Premilene® suture, a flexible monofilament made of blue polypropylene
- 2 different colored fixation clips (red and yellow)
- 1 curved reverse cutting or straight cutting needle: strong, ductile and atraumatic (Easyslide®) needle

Indication

- Securex® is indicated for tissue approximation in all dermal wounds (intracutaneous suture) that are not under tension and where the most favourable cosmetic result is desired
















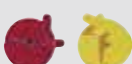

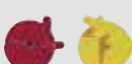

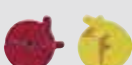


Advantages

- Simplification of the intracutaneous suture technique and fixation of suture end with sterile, disposable fixation clips
- Excellent cosmetic result

Product overview

Structure	Monofilament
Color	Blue
Chemical composition	Polypropylene
Coating	Uncoated
Origin	Synthetic
Sizes	USP 4/0 (1.5 metric) to USP 2/0 (3 metric)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide

Needle	Accessories	Length	Catalog No.			Units / box
			USP 4/0 met. 1.5	USP 3/0 met. 2	USP 2/0 met. 3	
DS 16 		45 cm	G0994113			12
DS 19 		45 cm	G0994211	G0994229		12
DS 24 		45 cm	G0994318	G0994326	G0994334	12
DS 35 		75 cm		G0994330		12
GS 45 		45 cm		G099455		12
GS 51 		45 cm	G0994610	G0994628	G0994636	12
GS 60 		45 cm 75 cm		G0994725 G0994784	G0994733 G0994792	12
DSMP 16 		45 cm	G0994814			12
DSMP 19 		45 cm	G0994768	G0994776		12
DSMP 24 		45 cm	G0994865	G0994873	G0994882	12

Tendo-Loop

FOR THE REPAIR OF RUPTURED TENDONS ACCORDING TO TSUGE TECHNIQUE

DESCRIPTION

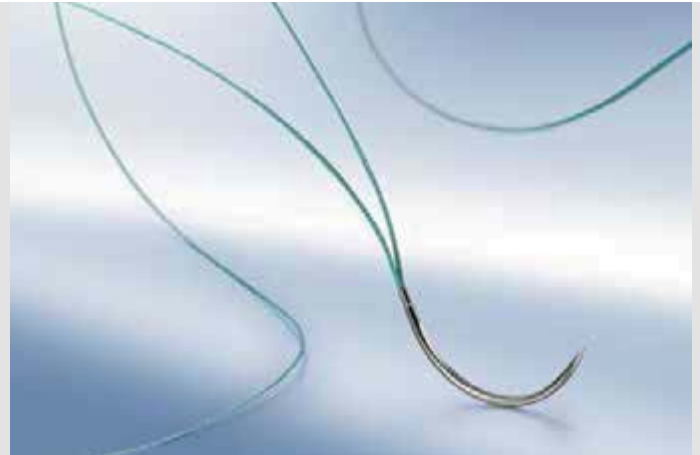
Tendo-Loop is a suture set for the adaptation of ruptured tendons according to the Tsuge technique. Tendo-Loop consists of a 30 cm loop of braided polyester attached to a trocar needle. The usage of Tendo-Loop enables damaged tendons to be repaired easily and rapidly.

INDICATIONS

- Acute tendosutures
- Hand flexor tendons
- Hand extensor tendons


ADVANTAGES

- Atraumatic procedure
- Uninterrupted microcirculation
- Easy method
- Reduced operation time
- Reduced risk of:
 - Adhesions
 - Scarring
 - Tendon dehiscences




Tendo-Loop

Product overview

Structure	Braided
	
Color	Green
Chemical composition	Polyester
Coating	Coated with polyethylene / vinyl acetate
Origin	Synthetic
Sizes	USP 4/0 (1.5 metric) to USP 3/0 (2 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Tendo-Loop

FOR THE REPAIR OF RUPTURED TENDONS ACCORDING TO TSUGE TECHNIQUE

Needle	Length	USP (metric)	Units / box	Catalog No.
DRT 18 	30 cm	4/0 (1.5)	24 units	99 2178
	30 cm	3/0 (2)	24 units	99 2186

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Cervix-Set

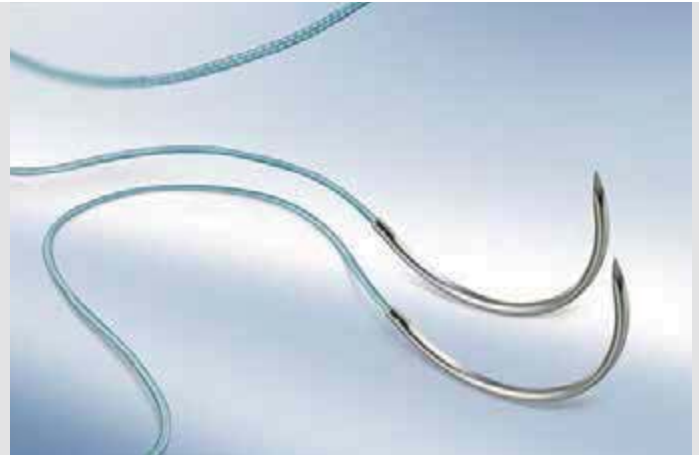
FOR THE TREATMENT OF CERVICAL INCOMPETENCE

DESCRIPTION

Cervix-Set is a special suture set for the treatment of cervical incompetence during pregnancy.

Cervix-Set for the ligature of the cervix according to the Shirodkar technique consists of a polyester tape or thread equipped at each end with blunt round-bodied needles.

Cervix-Set for the ligature of the cervix according to McDonald or Wurm-Hefner techniques consists of a polyester thread equipped at each end with sharp round-bodied needles.



INDICATIONS

For the treatment of cervical incompetence by the following techniques:

- Ligature of the cervix according to the Shirodkar technique
- Ligature of the cervix according to the McDonald technique (purse string ligature)
- Ligature of the cervix according to the Wurm-Hefner technique (mattress or U ligature)

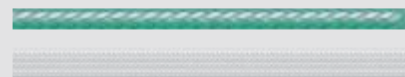
ADVANTAGES

- Cervix-Set prevents an incompetent neck of the uterus from opening. This reduces the danger of premature labour and the occurrence of a late abortion or a premature birth

Cervix-Set

Product overview

Structure Braided thread or tape



Color Green or white

Chemical composition Polyester

Coating Uncoated

Origin Synthetic

Sizes USP 6 (8 metric), 0.5 cm

Type of absorption Non-absorbable

Sterilisation Gamma-irradiation

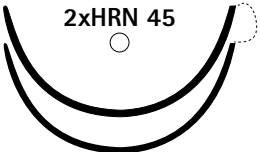
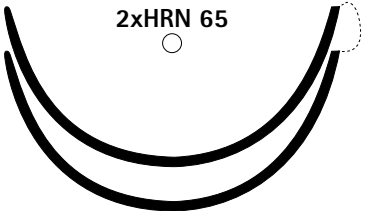
Cervix-Set

FOR THE TREATMENT OF CERVICAL INCOMPETENCE

For purse string ligature (Mc. Donald / Wurm-Hefner techniques):

Needle	Length	Color & Structure	USP (metric)	Units / box	Catalog No.
 <p>2xHRT 48 ⊕</p>	75 cm	Green thread	USP 6 (8)	12	99 7307

For encircling (Shirodkar technique):

Needle	Length	Color & Structure	USP (metric)	Units / box	Catalog No.
 <p>2xHRN 45 ○</p>	50 cm 50 cm	Green thread White tape	USP 6 (8) 0.5 cm	6 6	99 7064 99 7145
 <p>2xHRN 65 ○</p>	50 cm 50 cm	Green thread White tape	USP 6 (8) 0.5 cm	12 12	99 6076 99 6173

Patella-Set

FOR FRACTURES OF THE PATELLA

DESCRIPTION

The Patella-Set is a special suture set for the treatment of fractures of the patella.

The Patella-Set consists of a monofilament steel wire and a reverse cutting needle.

INDICATIONS

- The Patella-Set is indicated for all fractures of the patella that are treated by applying tension loops, cerclage or combinations of these or in connection with Kirschner wires


ADVANTAGES

- The Patella-Set shortens the post-operative immobilisation period considerably
- The Patella-Set is also suitable for osteosynthesis of the knee cap using tension loops in combination with cerclage or with Kirschner wire



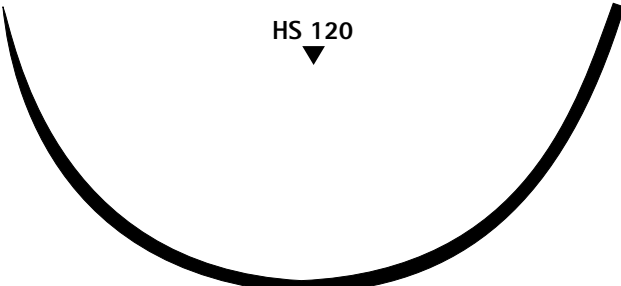
Patella-Set

Product overview

Structure	Monofilament
	
Color	Metallic
Chemical composition	Stainless steel
Coating	Uncoated
Origin	Metal
Sizes	USP 7 (9 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Patella-Set

FOR FRACTURES OF THE PATELLA

Needle	Length	USP (metric)	Units / box	Catalog No.
 HS 120	60 cm	USP 7 (9)	12	991120

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Tendofil®

FOR THE REPAIR OF RUPTURED TENDONS ACCORDING TO THE LENGEMANN TECHNIQUE

DESCRIPTION

Tendofil® is a special surgical set for the adaptation of ruptured tendons according to the Lengemann technique. Tendofil® consists of a double wire attached to a straight needle at one end and a curved needle at the other end. In addition, Tendofil® is equipped with a V-shaped barb.

INDICATION

- Tendofil® is used to produce a blocking, expandable double wire tendon suture according to the Lengemann technique for the treatment of ruptured flexor tendons or strong extensor tendons in the hand that are not subject to great strain

ADVANTAGES


- Tendofil® double wire suture brings the two ends of the tendon together. When the healing tendon has sufficient strength, Tendofil® is removed



Tendofil®

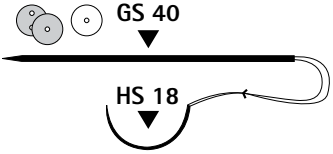
Tendofil®

Product overview

Structure	Twisted
	
Color	Metallic
Chemical composition	Stainless steel
Coating	Uncoated
Origin	Metal
Sizes	USP 3/0 (2 metric)
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Tendofil®

FOR THE REPAIR OF RUPTURED TENDONS ACCORDING TO THE LENGEMANN TECHNIQUE

Needle	Accessories	Length	USP (metric)	Units / box	Catalog No.
	1 perforated silicone disc 2 perforated metal discs	2 x 40 cm	USP 3/0 (2)	12	992127

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Ventrofil®

FOR TENSION RELIEF

DESCRIPTION

Ventrofil® is a special suture set for the treatment and prevention of abdominal ruptures after laparotomy or other wound dehiscence and for the relief of strain on existing wounds.

INDICATIONS

- General disturbances of wound healing (obesity, diabetes, advanced patient age)
- Septic operations
- Emergency laparotomies
- Relaparotomies
- Broncho-pulmonary infections
- Carcinoma operations
- Long-lasting operations
- Coagulation disorders

ADVANTAGES

- Less pressure on the skin; minimized pressure necroses
- Easy handling; assembly not necessary
- Possibility to vary the suture positions




- Easy fixation of the wire
- Particles or moisture cannot penetrate the padded plates
- Great flexibility of the multifilament coated wire
- The coated wire does not cut into the tissue and glides smoothly through it
- Reduces the risk of infection significantly

Ventrofil®

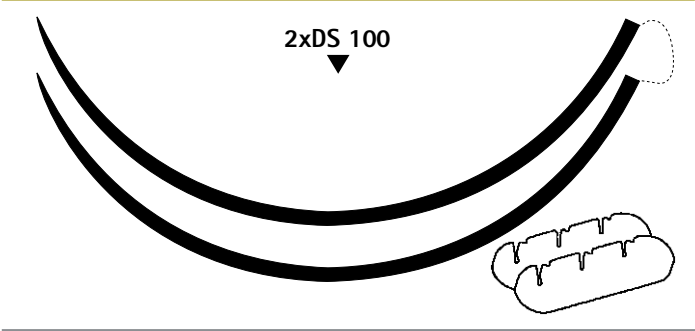
Ventrofil®

Product overview

Structure	Twisted
	
Color	Metallic
Chemical composition	Stainless steel
Coating	Cover of polyethylene
Origin	Metal
Sizes	1.3 mm
Type of absorption	Non-absorbable
Sterilisation	Gamma-irradiation

Ventrofil®

FOR TENSION RELIEF

Needle	Accessories	Length	Diameter	Units / box	Cat. No.
 <p data-bbox="396 491 505 527">2xDS 100</p>	2 polyethylene plates	75 cm	1.3 mm	4	99 3042
	2 polyethylene plates	90 cm	1.3 mm	4	99 3034

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Surgical Loop

FOR ORGAN RETRACTION AND MORE

DESCRIPTION

Surgical Loop consists of retraction tapes made of radio-paque silicone or cotton. The surgical tapes are used for the intraoperative isolation, marking and looping of organs, blood vessels, tendons and nerves, or for tying off the umbilical cord of the new born infant.

INDICATIONS

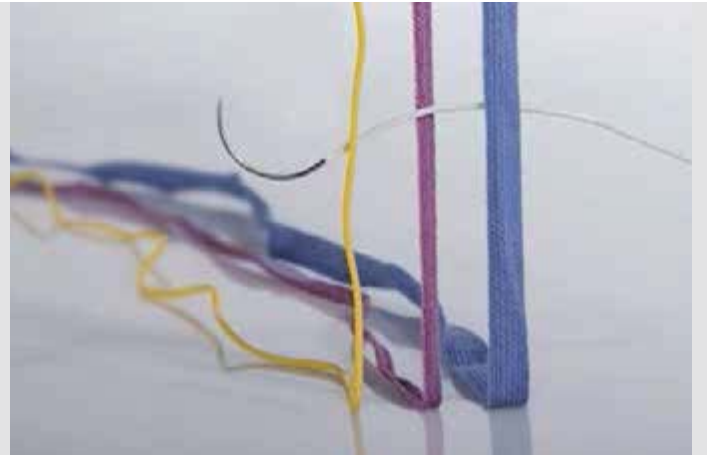
Surgical Loop is used to:

- Retract nerves, tendons, arteries, veins, ureters, vessels and other structures in order to access the operation site
- Differentiate and/or identify organs or areas while operating
- Clamp

ADVANTAGES

Security aspects

- Strong and reliable
- Single-use
- Atraumatic
- Silicone radiopaque Surgical Loop

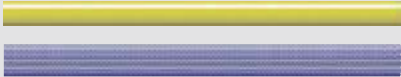


Convenience aspects

- Extremely smooth surface
- Pliable
- No tissue adherence
- Easy, convenient packaging presentation
- Distinct colors to ease differentiation
- Various product dimensions to suit all purposes

Surgical Loop





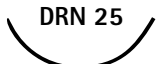
Product overview

Structure	Tube, braided tape
	
Color	White, blue, green, yellow, red, violet
Chemical composition	Silicone or cotton
Coating	Uncoated
Origin	Synthetic, natural
Sizes	1.2 + 2.5 mm (silicone) 4 + 8 mm (cotton)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide






Surgical Loop

FOR ORGAN RETRACTION AND MORE

RADIOPAQUE SILICONE TUBE

Diameter	Length	Units / box	Color / code			
						
1.5 mm	2 x 45 cm	24	B1095048	B1095021	B1095030	B1095013
1.5 mm	75 cm	24	B1095242	B1095226	B1095234	B1095218
2.5 mm	2 x 45 cm	24	B1095145	B1095129	B1095137	B1095110
2.5 mm	75 cm	24	B1095544	B1095528	B1095536	B1095510
1.2 mm	2 x 45 cm	24	B1095552	The thread is attached to a DRN 25 needle		

COTTON BRAIDED TAPE

Width	Length	Units / box	Color / code			
						
4 mm	2 x 38 cm	24	B1094920			
4 mm	75 cm	24	B1095641	B1095633	B1095625	B1095650
8 mm	75 cm	24	B1095676		B1095668	
4 mm	75 cm	24	B1095617	The tape is attached to a GS 65 needle		
						

Steelex[®] Sternum-Set

FOR STERNUM CLOSURE

DESCRIPTION

Steelex[®] Sternum-Set is a non-absorbable corrosion-resistant steel monofilament to which a fixed or rotating needle (axial) is attached. Steelex[®] Sternum-Set is available in sternum, short cutting and blunt point needles.

Also available in polyester sutures (PremiCron[®]) to improve handling and knotting properties.

INDICATION

- Sternal closure

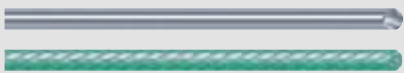
ADVANTAGES

- Strong and secure needle-wire attachment, specifically designed for sternal suturing requirements
- High performing atraumatic needles in terms of penetration and bending strength
- Easy dispensing memory free packaging for stainless steel wires available
- Outstanding ductility of the stainless steel wire








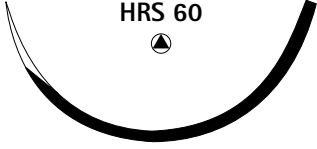



Steelex[®] Sternum-Set

Product overview

Structure	Monofilament (Steelex [®]) or braided (PremiCron [®])
	
Color	Metallic (Steelex [®]) or green (PremiCron [®])
Chemical composition	Stainless steel or polyester
Coating	Uncoated or silicone
Origin	Metal or synthetic
Sizes	USP 1 (4 metric) - USP 7 (9 metric) or USP 2 and 5 (PremiCron [®])
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide or gamma-irradiation

Steelex® Sternum-Set

FOR STERNUM CLOSURE
Steelex® PRODUCT RANGE


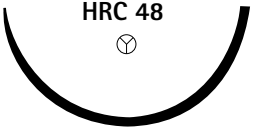

Needle length mm	Thread length cm	USP metric						
		1 4	2 5	3 6	4 6	5 7	6 8	7 9
1/2 circle round bodied needle with sternum point								
 HRS 40	4 x 45 4 x 45 axial 5x45	G0617835 G0617851	G0617838 G0617848 G0617839		G0617854			
 HRS 48	2 x 45 4 x 45 4 x 45 axial 5 x 45 8 x 45		G0617780		G0617784 G0617792	G0617717 G0617733 G0617718 G0617559	G0617706 G0617814 G0617806 G0617815	G0617795 G0617796 G0617798
 HRS 48	45 45 axial					G0617555 G0617545	G0617556 G0617546	
 Sow	75 75 axial					G0617579 G0617563	G0617580 G0617564	
 HRS 55	75					G0617020		
 HRS 60	4 x 45 4 x 45 axial 6 x 45					G0617742 G0617741	G0617737	G0617736
 Sow	2 x 75 2 x 75 axial					G0617776 G0617750		
 HRS 60	45 45 axial					G0617864 G0617865		
 Sow	75 75 axial					G0610008 G0617040		

C Box of 36 units

B Box of 24 units

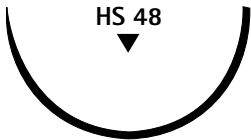
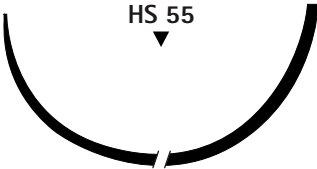
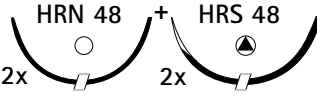
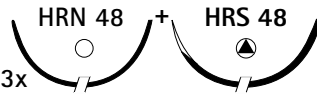

G Box of 12 units

M Box of 6 units




Needle length mm	Thread length cm	USP metric						
		1 4	2 5	3 6	4 6	5 7	6 8	7 9
1/2 circle round bodied needle with short cutting point								
 HRC 37ss	2 x 45	G0617145	G0617143					
	4 x 45	G0617144	G0617142					
 HRC 48	2 x 45					G0617130		
	4 x 45				G0617969	G0617135	G0610167	G0617966
	6 x 45					G0610017	G0610018	
	4 x 75					G0617134		
1/2 circle round bodied needle with blunt point								
 HRN 48	2 x 45						G0617703	
	4 x 45						G0617813	G0617550
	5 x 45					G0617749		G0617804
	4 x 75							G0617802

Steelex® Sternum-Set

FOR STERNUM CLOSURE

Needle length mm	Thread length cm	USP metric						
		1 4	2 5	3 6	4 6	5 7	6 8	7 8
1/2 circle reverse cutting needle								
	4 x 45				G0617681			
	2 x 75 axial					G0617682		
COMBO								
	4 x 45					G0617880	G0617881	G0617882
	4 x 45					G0617995	G0617996	
	6 x 45						G0617901	

PremiCron® Product range non-absorbable braided and coated suture made of polyester fibres

1/2 circle round bodied needle with sternum point								
	4 x 75		B0026766					
	4 x 75		B0026767			G0026702		
	4 x 75					G0026705		

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Steelex[®] Electrode-Set

FOR THE CONTROL AND TREATMENT OF ARRHYTHMIAS

DESCRIPTION

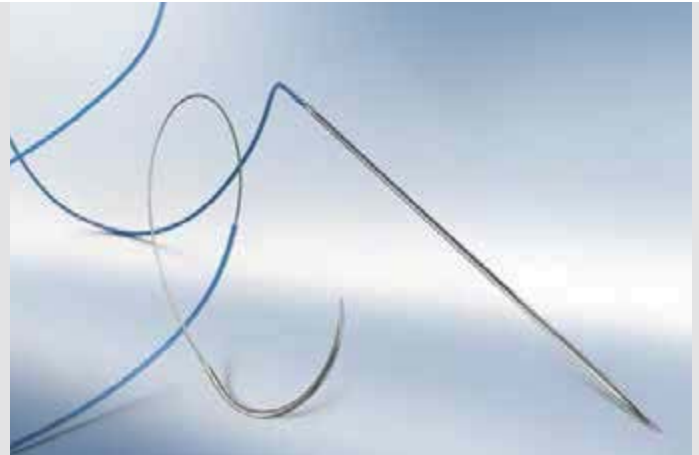
The Steelex[®] Electrode-Set is a temporary cardiac pacing wire used to treat arrhythmias during and after open heart surgery. It consists of a twisted stainless steel, multistrand wire partially insulated with a sheath of blue or white polyethylene.

INDICATION

- Temporary atrial and ventricular pacing and sensing during and after cardiac surgery

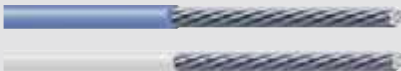
ADVANTAGES

- Exceptional strength with great flexibility and handling characteristics
- Multifilament construction for improved handling properties and reduced fatigue and fragmentation
- Polyethylene sheath facilitates extraction and provides highly efficient insulation for reliable pacing
- Electro-passive in tissue fluids
- Break-off needle for improved connection to pacemaker or extension cable
- High conductivity



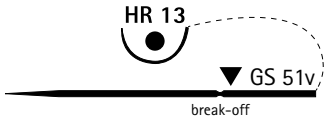
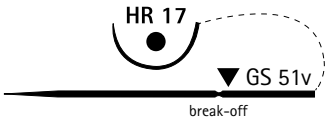
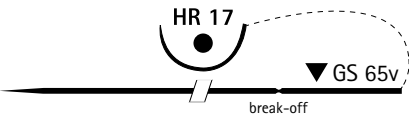


Steelex[®] Electrode-Set

Product overview

Structure	Twisted
	
Color	Blue and white
Chemical composition	Stainless steel
Coating	Insulated with polyethylene
Origin	Metal
Sizes	USP 3/0 (2 metric) - USP 0 (3.5 metric)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide

Steelex® Electrode-Set

FOR THE CONTROL AND TREATMENT OF ARRHYTHMIAS

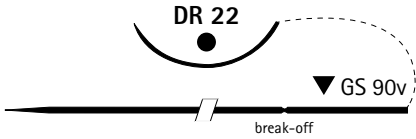
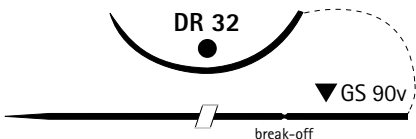
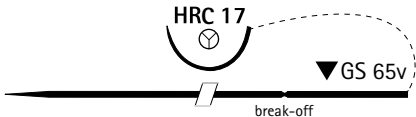
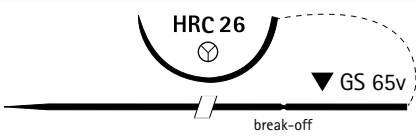
Needle length mm	Thread length cm (color)	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
1/2 circle round bodied needle and break off straight cutting needle								
	2 x 60 B&W				C0990008			
	60 Blue				C0992054			
	2 x 60 B&W				C0992702			
	60 Blue				C0992038			
	2 x 60 B&W				C0992703			
	60 Blue				C0992046	C0992097	C0992100	
	2 x 60 Blue				C0992045			
	2 x 60 B&W				C0992704	C0992701		
	60 Blue				C0992130	C0992131		
	2 x 60 B&W				C0992720	C0992721	B0992722	

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm (color)	USP metric						
		6/0 0.7	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4
3/8 circle round bodied needle and break off straight cutting needle								
	60 Blue					C0992110		
	2 x 60 B&W						B0992710	
1/2 circle round bodied needle with short cutting point and break off straight cutting needle								
	60 Blue				C0992062			
	60 Blue				C0992041			

Pro-Set

SUTURE SETS CUSTOMIZED TO YOUR PARTICULAR NEEDS

INDIVIDUALLY TAILORED TO YOUR NEEDS DURING SURGERY

- Can include not only sutures but also other B. Braun products separately sterilized
- Various sizes available for specific surgical procedures / needs
- Reduces preparation time
- Simplifies the logistics of the medical procedure
- Sutures can be placed in order of use
- Comes provided with an adhesive label describing the set contents in order to simplify patient documentation

COST REDUCTION

- Standardises procedure
- Relieves clinical staff of organizational tasks
- Reduces administrative costs



ECOLOGICAL BENEFITS

- Less packaging
- Reduced disposal time and costs

Pro-Set

Product overview: sterile units available in three kinds of packaging

Mini-Pack

- For up to 8 suture foils
- A peel pack guarantees the sterile transfer

Two types of containers

- Single size for up to 14 suture foils
- Double size for up to 28 suture foils
- A blister allows the sterile transfer



MESHES

Non-absorbable meshes

Absorbable meshes

NON-ABSORBABLE MESHES

Premilene® Mesh

Premilene® Mesh Plug

Optilene® Mesh

Optilene® Mesh LP

Optilene® Mesh Elastic

Omyra® Mesh

Omyra® Mesh TX

NON-ABSORBABLE MESHES





Premilene® Mesh

TRADITIONAL POLYPROPYLENE MESH FOR HERNIA REPAIR

DESCRIPTION

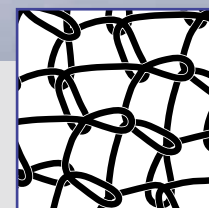
Premilene® Mesh is a mesh implant for re-inforcement of connective tissue structures. It is constructed from monofilament polypropylene, that has been knitted to a thin and elastic shape-stable mesh. After implantation the Premilene® Mesh adapts to the longitudinal and latitudinal expansions taking place in the connective tissue. Premilene® Mesh does not possess any independent pharmacological properties. The polypropylene mesh is biostable and is not degraded in the body.

INDICATIONS

Re-inforcement material in connective tissue weakness:

- for prosthetic hernioplasty
- for reconstruction of the chest wall
- for re-inforcement of fascial tissue if a non-absorbable reinforcement material is required

Premilene® Mesh is suitable for both conventional and laparoscopic application.



ADVANTAGES

- Thin, light and extremely resistant standard polypropylene mesh
- Transparent and pliable for easy handling
- With over 600.000 implanted meshes, Premilene® Mesh represents a well-established and proven concept in daily clinical practice

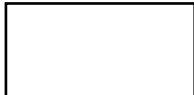


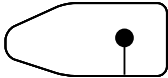




Premilene® Mesh

Product features

Chemical composition	Polypropylene
Structure	Warp-knitted monofilament
Color	White / transparent
Type of absorption	Non-absorbable
Weight	82 g/m ²
Sterilization	Ethylene oxide
Pore size	0.8 mm

Premilene® Mesh

TRADITIONAL POLYPROPYLENE MESH FOR HERNIA REPAIR

Sizes	Units / box	Cat. No.	Shape
3 x 10 cm	5 pieces	1064305	Rectangle 
5 x 10 cm	5 pieces	1064315	
5 x 30 cm	5 pieces	1064445	
7.5 x 15 cm	5 pieces	1064425	
10 x 15 cm	5 pieces	1064495	
26 x 36 cm	5 pieces	1064465	
30 x 50 cm	5 pieces	1064475	
7.5 x 7.5 cm	5 pieces	1064415	Square 
15 x 15 cm	5 pieces	1064435	
30 x 30 cm	5 pieces	1064455	
4.5 x 10 cm	5 pieces	1064385	Hole / tail 
6 x 14 cm	5 pieces	1064375	
4.5 x 9.5 cm	5 pieces	1064325	Key hole 
6 x 12.5 cm	5 pieces	1064335	
4.5 x 10 cm	5 pieces	1064345	Pre-shaped 
6 x 14 cm	5 pieces	1064365	
10 x 15 cm	5 pieces	1064535L	Slit and cover left 
10 x 15 cm	5 pieces	1064545R	Slit and cover right 
8 x 12 cm	5 pieces	1064395	Precut 

Premilene® Mesh Plug

SELF-EXPANDABLE POLYPROPYLENE MESH PLUG FOR INGUINAL HERNIA REPAIR

DESCRIPTION

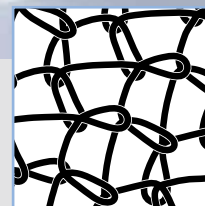
Premilene® Mesh Plug consists of a plug and an onlay mesh. Premilene® Mesh Plug consists of the same material as Premilene® Mesh, a mesh implant for re-inforcement of connective tissue structures. It is constructed from monofilament polypropylene, that has been knitted to a thin and elastic shape-stable mesh. After implantation the Premilene® Mesh adapts to the longitudinal and latitudinal expansions taking place in the connective tissue.

INDICATION

- Re-inforcement material in connective tissue weakness: for prosthetic hernioplasty

ADVANTAGES

- 4-layer mesh plug with blue center grip for easy placement
- Blunt tip designed to improve patient comfort



- Anatomical 3-D shape adapts to the shape of the defect
- Wide range of plug depths for exact adaptation to various sizes in plug and patch repair




Premilene® Mesh Plug

Product features

Chemical composition	Polypropylene
Structure	Warp-knitted monofilament
Color	White / transparent
Type of absorption	Non-absorbable
Weight	82 g/m ²
Sterilization	Ethylene oxide
Pore size	0.8 mm

Premilene® Mesh Plug

SELF-EXPANDABLE POLYPROPYLENE MESH PLUG FOR INGUINAL HERNIA REPAIR

Plug	Plug depth	Onlay size	Units / box	Cat. No.	Shape
Small	2.5 cm	5 x 10 cm	5 pieces	1064605	Flat plug Plug shaped
Medium	3.25 cm	5 x 10 cm	5 pieces	1064615	
Large	3.75 cm	5 x 10 cm	5 pieces	1064625	
Extra-large	4.5 cm	5 x 10 cm	5 pieces	1064635	Onlay 

Optilene® Mesh

UNIVERSAL MESH FOR INGUINAL AND INCISIONAL HERNIA REPAIR

DESCRIPTION

Optilene® Mesh is a mesh implant for re-inforcement of connective tissue structures. It is constructed from monofilament polypropylene, that has been knitted to a thin and elastic shape-stable mesh. After implantation the Optilene® Mesh adapts to the longitudinal and latitudinal expansions taking place in the connective tissue. Optilene® Mesh does not possess any independent pharmacological properties. The polypropylene mesh is biostable and is not degraded in the body.

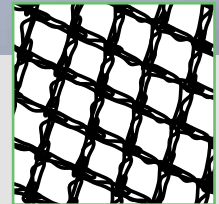
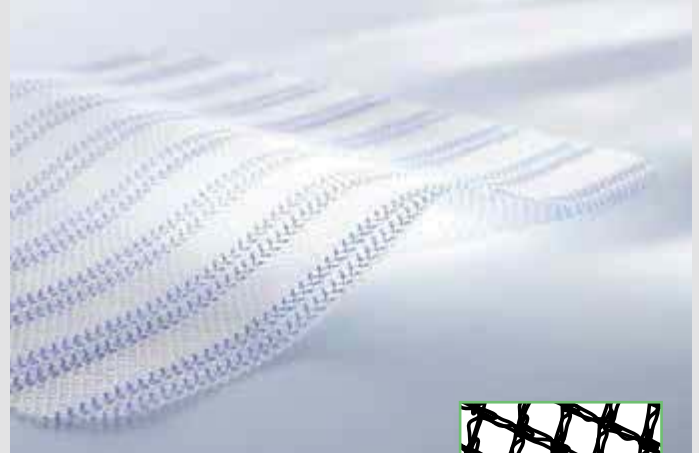
INDICATIONS

Re-inforcement material in connective tissue weakness:

- for prosthetic hernioplasty
- for reconstruction of the chest wall
- for re-inforcement of fascial tissue if a non-absorbable reinforcement material is required

ADVANTAGES

- Macroporous, soft and strong mesh for inguinal and ventral hernia repair
- Exceptional handling and visibility in laparoscopic hernia repair
- Blue reinforced guiding lines provide easy deployment
- Similar (isotropic) transverse and longitudinal elasticity
- Highly compatible with non-traumatic mesh fixation using Histoacryl®



Optilene® Mesh


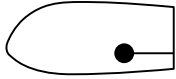


Optilene® Mesh

Product features

Chemical composition	Polypropylene
Structure	Warp-knitted monofilament
Color	White with blue stripes / transparent
Type of absorption	Non-absorbable
Weight	60 g/m ²
Sterilization	Ethylene oxide
Pore size	1.5 mm

Optilene® Mesh

UNIVERSAL LIGHT-WEIGHT MESH FOR INGUINAL AND INCISIONAL HERNIA REPAIR

Sizes	Units / box	Cat. No.	Shape
5 x 10 cm	5 pieces	1065020	<p>Rectangle</p> 
5 x 30 cm	5 pieces	1065050	
7.5 x 15 cm	5 pieces	1065030	
10 x 15 cm	5 pieces	1065040	
20 x 30 cm	5 pieces	1065160	
30 x 50 cm	5 pieces	1065170	
20 x 15 cm	5 pieces	1065180	
26 x 36 cm	5 pieces	1065060	
7.5 x 7.5 cm	5 pieces	1065070	
15 x 15 cm	5 pieces	1065080	
30 x 30 cm	5 pieces	1065090	
4.5 x 10 cm	5 pieces	1065140	<p>Hole / tail</p> 
6 x 14 cm	5 pieces	1065150	
4.5 x 9.5 cm	5 pieces	1065100	<p>Key hole</p> 
6 x 12.5 cm	5 pieces	1065110	
4.5 x 10 cm	5 pieces	1065120	<p>Preshaped</p> 
6 x 14 cm	5 pieces	1065130	

Optilene® Mesh LP

SUPER-LIGHT MESH IDEAL FOR INGUINAL HERNIA REPAIR PROCEDURES

DESCRIPTION

Optilene® Mesh LP is a mesh implant for re-reinforcement of connective tissue structures. It is constructed from monofilament polypropylene, that has been knitted to a thin and elastic shape-stable mesh. After implantation the Optilene® Mesh LP adapts to the longitudinal and latitudinal expansions taking place in the connective tissue.

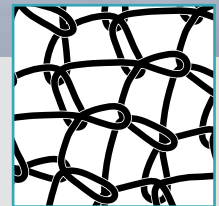
Optilene® Mesh LP does not possess any independent pharmacological properties. The polypropylene mesh is biostable and is not degraded in the body.

INDICATIONS

Re-reinforcement material in connective tissue weakness:

- for prosthetic hernioplasty
- for reconstruction of the chest wall
- for re-reinforcement of fascial tissue if a non-absorbable reinforcement material is required

Optilene® Mesh LP is suitable for both conventional and laparoscopic application.



ADVANTAGES

- Extremely soft and light weight mesh
- Recommended for reinforcement in inguinal hernia repair and primary mesh augmentation
- Produces significantly less foreign body feeling at 6 months post-operatively compared to other mesh types such as self-gripping meshes
- **NEW:** with blue guiding lines for improved visibility and orientation control in transabdominal pre-peritoneal (TAPP) and totally extraperitoneal (TEP) repair.



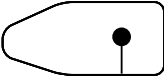

Optilene® Mesh LP

Product features

Chemical composition	Polypropylene
Structure	Warp-knitted monofilament
Color	White / transparent
Type of absorption	Non-absorbable
Weight	36 g/m ²
Sterilization	Ethylene oxide
Pore size (average)	1 mm

Optilene® Mesh LP

SUPER-LIGHT MESH IDEAL FOR INGUINAL HERNIA REPAIR PROCEDURES

Sizes	Units / box	Cat. No. undyed	Cat. No. blue striped	Shape
3 x 10 cm	5 pieces	1064785	n.a.	Rectangle 
5 x 10 cm	5 pieces	1064735	1964735	
7.5 x 15 cm	5 pieces	1064715	1964715	
10 x 15 cm	5 pieces	1064725	1964725	
15 x 20 cm	5 pieces	1064855	1964855	
6 x 35 cm*	5 pieces	1064865	1964865	
8 x 35 cm*	5 pieces	1064875	1964875	
10 x 35 cm*	5 pieces	1064885	1964885	
7.5 x 7.5 cm	5 pieces	1064755	1964755	
15 x 15 cm	5 pieces	1064705	1964705	
20 x 20 cm	5 pieces	1064895	1964895	
4.5 x 10 cm	5 pieces	1064765	1964765	Hole / tail 
6 x 14 cm	5 pieces	1064775	1964775	
6 x 12.5 cm	5 pieces	1064835	1964835	Key hole 
4.5 x 10 cm	5 pieces	1064825	1964825	Preshaped 
6 x 14 cm	5 pieces	1064845	1964845	

* For prevention of incisional hernia

Optilene® Mesh Elastic

ELASTIC LIGHT-WEIGHT AND LARGE PORE MESH

DESCRIPTION

Optilene® Mesh Elastic is a mesh implant for re-inforcement of connective tissue structures. It is constructed from monofilament polypropylene, that has been knitted to a thin and elastic shape-stable mesh. After implantation the Optilene® Mesh Elastic adapts to the longitudinal and latitudinal expansions taking place in the connective tissue.

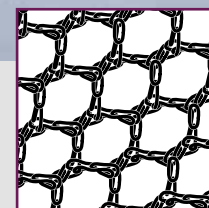
Optilene® Mesh Elastic does not possess any independent pharmacological properties. The polypropylene mesh is biostable and is not degraded in the body.

INDICATIONS

Re-inforcement material in connective tissue weakness:

- for prosthetic hernioplasty
- for reconstruction of the chest wall
- for re-inforcement of fascial tissue if a non-absorbable implant is required

Optilene Mesh® Elastic is suitable for both conventional and laparoscopic application.



ADVANTAGES

- Strong and light-weight mesh with extra large pore size for ventral and inguinal hernia repair
- Significant reduction of risk of incisional hernia when used for primary mesh augmentation in abdominal wall closure
- Patient outcome comparable to use of partially absorbable mesh in ventral hernia repair
- **NEW:** with blue guiding lines for improved visibility and orientation control in TAPP, TEP or sublay technique.



Optilene® Mesh Elastic

Product features

Chemical Composition	Polypropylene
Structure	Warp-knitted monofilament
Color	White / transparent
Type of absorption	Non-absorbable
Weight	48 g/m ²
Sterilization	Ethylene oxide
Pore size	3.6 mm x 2.8 mm

Optilene® Mesh Elastic

ELASTIC LIGHT-WEIGHT AND LARGE PORE MESH

Sizes	Units / box	Cat. No. undyed	Cat. No. blue striped	Shape
7.5 x 15 cm	5 pieces	1064930	1964930	Rectangle 
10 x 15 cm	5 pieces	1064920	1964920	
20 x 30 cm	5 pieces	1064940	1964940	
10 x 35 cm*	5 pieces	1064970	1964970	
30 x 50 cm	5 pieces	1064980	1964980	
15 x 15 cm	5 pieces	1064910	1964910	Square 
30 x 30 cm	5 pieces	1064900	1964900	

* For prevention of incisional hernia

Omyra[®] Mesh

CONDENSED PTFE MESH WITH LARGE PORES,
FOR INTRAPERITONEAL PLACEMENT

DESCRIPTION

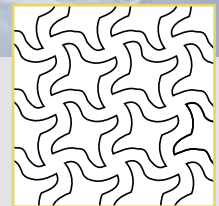
Omyra[®] Mesh is a non-absorbable, inert, sterile, macroporous surgical soft tissue patch produced from condensed polytetrafluoroethylene. The soft tissue patch measures approximately 0.15 mm in thickness and exhibits high burst strength and tensile strength. The construction allows the soft tissue patch to accommodate and reinforce tissue defects. Use of Omyra[®] Mesh allows a fibroblastic response through the interstices of the implant, forming a strong fibrous wall.

INDICATIONS

Omyra[®] Mesh is intended to assist in the repair and/or reinforcement of hernia and other fascial defects requiring the additional support of a non-absorbable implant during and after wound healing

ADVANTAGES

- Reduction of adhesion formation
- Effective tissue integration and drainage
- High resistance to bacterial infection
- Easy visualization via CT scan
- Translucent and trimmable





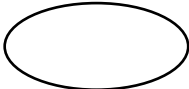
Omyra[®] Mesh

Product features

Chemical composition	Condensed polytetrafluoroethylene (cPTFE)
Structure	Large pore monolayer
Color	White / transparent
Type of absorption	Non-absorbable
Density	0.9 g/cm ³
Sterilization	Ethylene oxide
Pore size	2.4 mm (star shape)

Omyra[®] Mesh

CONDENSED PTFE MESH WITH LARGE PORES,
FOR INTRAPERITONEAL PLACEMENT

Sizes	Units / box	Cat. No.	Shape
6 x 11 cm	1 piece	1060611	Rectangle
7.5 x 15 cm	1 piece	1060715	
10 x 15 cm	1 piece	1061015	
15 x 15 cm	1 piece	1061515	
14 x 14 cm	1 piece	1061414	Circle 
11 x 15 cm	1 piece	1061115	Oval 
15 x 22 cm	1 piece	1061522	
20 x 30 cm	1 piece	1062030	
26 x 36 cm	1 piece	1062636	

Omyra® Mesh TX

DESCRIPTION

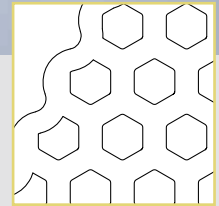
Omyra® Mesh TX is a nonabsorbable, inert, sterile, macro-porous surgical soft tissue patch produced from condensed polytetrafluoroethylene. The soft tissue patch exhibits high burst strength and tensile strength. The construction allows the soft tissue patch to accommodate and re-inforce tissue defects. Use of Omyra® Mesh TX allows a fibroblastic response through the interstices of the implant, forming a strong fibrous wall.

INDICATIONS

Omyra® Mesh TX is intended to assist in the repair and/or reinforcement of hernia and other fascial defects requiring the additional support of a nonabsorbable implant during and after wound healing

ADVANTAGES

- Hexagonal pore shape for easier handling during fixation
- Reduction of adhesion formation
- cPTFE provides high resistance to bacterial infection
- Easy visualization via CT scan
- Translucent and trimmable




Omyra® Mesh TX

Product features

Chemical composition	Condensed polytetrafluoroethylene (cPTFE)
Structure	Large pore monolayer
Color	White / transparent
Type of absorption	Non-absorbable
Sterilization	Ethylene oxide
Pore size	1.3 mm (hexagonal)

Omyra[®] Mesh TX

Sizes	Units / box	Cat. No.	Shape
10 x 15 cm	1 piece	1961015	Oval 
15 x 20 cm	1 piece	1961520	
22 x 30 cm	1 piece	1962230	
30 x 40 cm	1 piece	1963040	

ABSORBABLE MESHES

Safil® Mesh

Safil® Mesh Bag

ABSORBABLE MESHES



Safil® Mesh

ABSORBABLE MESH FOR TEMPORARY WOUND AND ORGAN SUPPORT

DESCRIPTION

Safil® Mesh is made from synthetic, absorbable homo-polymer polyglycolic acid. Safil® Mesh is a fabric of uncoated and undyed filaments of the same composition as Safil® suture material. During absorption, the material only causes a mild tissue reaction; it is inert and neither antigenic nor pyrogenic.

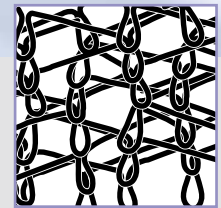
INDICATIONS

Safil® Mesh is used for temporary wound and organ support. Safil® Mesh is suitable for strengthening the closure of wall defects:

- in the abdominal region
- in the chest wall region

ADVANTAGES

- Very elastic and pliable mesh
- Complete absorption after 60 – 90 days
- Porous mesh structure



- Homogeneous elongation in longitudinal and transversal direction
- Strong support and suture retention
- Mild tissue reaction
- Low risk of late secondary infections



Safil® Mesh

Product features

Chemical Composition	Polyglycolic acid
Structure	Warp-knitted
Color	White / transparent
Type of absorption	Absorbable At 18 days, 50 % tensile strength complete absorption 60-90 days
Weight	56 g/m ²
Sterilization	Ethylene oxide
Pore size (average)	0.75 mm

Safil® Mesh

ABSORBABLE MESH FOR TEMPORARY WOUND AND ORGAN SUPPORT

Description	Sizes	Units / box	Cat. No.	Shape
Mesh	18 x 28 cm	1 piece	1065503	Rectangle 
Mesh	15 x 25 cm	1 piece	1065504	
Mesh	8 x 12 cm	3 pieces	1065508	
Mesh	5 x 6 cm	3 pieces	1065505	
Mesh	2 x 8 cm	3 pieces	1065502	
Mesh	15 x 15 cm	1 piece	1065501	Square
Mesh	30 x 30 cm	1 piece	1065500	

Safil® Mesh Bag

ABSORBABLE MESH BAG FOR ORGAN STABILIZATION AND HEMOSTASIS

DESCRIPTION

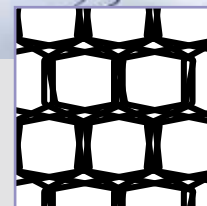
Safil® Mesh bag consists of a Safil® Mesh, whose size and shape has been adapted to a specific organ (kidney, spleen), and of dyed and undyed Safil® suture material serving as holding threads.

Safil® Mesh bag is made from synthetic, absorbable homopolymer polyglycolic acid. Safil® Mesh bag is a fabric of uncoated and undyed filaments of the same composition as the filaments of Safil® suture material. The holding threads are coated. To differentiate the holding threads, violet and undyed Safil® suture materials are used. During absorption, the material only causes a mild tissue reaction; it is inert and neither antigenic nor pyrogenic. Safil® Mesh bag is available in various sizes to envelop the spleen or the kidney.

INDICATIONS

The Safil® Mesh bag is used for organ stabilization and hemostasis (compression) in cases of trauma and in operations on different organs:

- Spleen
- Kidney



ADVANTAGES

- Very elastic and pliable mesh
- Size and shape adapted for specific organ support (kidney, spleen)
- Macroporous and weight-reduced, designed to reduce risk of additional organ injury
- Complete absorption after 60 – 90 days
- Mild tissue reaction
- Violet and undyed holding threads for better differentiation
- Low risk of late secondary infections

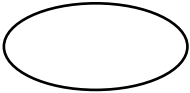

Safil® Mesh Bag

Product features

Chemical composition	Polyglycolic acid
Structure	Warp-knitted
Color	White / transparent
Type of absorption	Absorbable At 20 days, 50 % tensile strength complete absorption 60-90 days
Weight	44.5 g/m ²
Sterilization	Ethylene oxide
Pore size	1.4 mm

Safil® Mesh Bag

ABSORBABLE MESH BAG FOR ORGAN STABILIZATION AND HEMOSTASIS

Description	Sizes	Units / box	Cat. No.	Shape
Bag – Spleen	26 x 30 cm	1 piece	1065506	
Bag – Kidney	8 x 15 cm	1 piece	1065507	

BIOSURGICALS

Tissue adhesives

Mesh Fixation

Hemostats

Bone regenerator

TISSUE ADHESIVES

Histoacryl®

Histoacryl® Flexible

TISSUE ADHESIVES



DESCRIPTION

In addition to traditional skin suturing, surgeons can use a tissue adhesive.

The tissue adhesive Histoacryl® consists of monomeric n-butyl-2-cyanoacrylate, which polymerises quickly in connection with tissue fluid. Histoacryl® is available in two colors: translucent, special for facial application, and blue, which enables an easy control over the quantity applied.

The formation of esophageal and fundal varices is a common and dangerous consequence of portal hypertension. Effective sclerosation of these varices is possible with Histoacryl®. It can be employed for non-bleeding and for bleeding varices. Combined therapy with Histoacryl® and conventional sclerosation therapy is possible.



INDICATIONS

- Closure of minor skin wounds without suturing
- Closure of skin in endoscopic incisions
- Sclerosation of esophageal and fundal varices
- Fixation of hernia meshes, especially in inguinal hernia surgery

ADVANTAGES

A) WOUND CLOSURE

- Wound closure in one minute
- Anti-bacterial barrier protects the wound
- Storage at room temperature
- Excellent cosmetic results
- Easy-to-use procedure

B) SCLEROSATION THERAPY

- For bleeding and non-bleeding varices
- Easy-to-use procedure

C) MESH FIXATION

- Low recurrence rate
- Stand-alone fixation method in different hernia repair techniques, such as: Lichtenstein, TAPP, TEP and small incisional hernias
- Non-invasive method reported to be better tolerated by the patient
- Low intra- and postoperative morbidity
- Potentially less harmful than traditional invasive methods

Color	Content / box	Cat. No.
Blue	5 ampoules of 0.5mL	1050052
Blue	10 ampoules of 0.5mL	1050044
Translucent	5 ampoules of 0.5mL	1050060
Translucent	10 ampoules of 0.5mL	1050071

Histoacryl® Flexible

IMPROVED CLOSURE OF SURGICAL INCISIONS

DESCRIPTION

The topical tissue adhesive and microbiological barrier product Histoacryl® Flexible consists of n-butyl-2-cyanoacrylate and a softener. For easy assessment of the thickness of the layer which has been applied, Histoacryl® Flexible is colored blue.

INDICATIONS

- Closure of minimal-tension skin wounds from clean surgical incisions and simple, thoroughly cleansed, trauma-induced lacerations
- Microbiological barrier in the closure of clean surgical skin wounds and simple, thoroughly cleansed, trauma-induced lacerations

ADVANTAGES

- **Flexibility**
Allows closure of incisions up to 25 cm
- **Microbial barrier**
Polymerized Histoacryl® Flexible adhesive films are an effective microbial barrier
- **Ease of use**
Ready to use product storable at temperatures below 25°C
- **Accuracy**
Special tip permits a better control and improved application
- **Excellent cosmetic results**
Cyanoacrylate based topical skin adhesives yield excellent cosmetic results



Color	Content / box	Cat. No.
Blue	5 ampoules of 0.5mL	1051250P

MESH FIXATION

Histoacryl® Pro-Set OFX and OFX-1

MESH FIXATION



Histoacryl® Pro-Set OFX and OFX-1

NON-TRAUMATIC MESH FIXATION IN OPEN HERNIA REPAIR

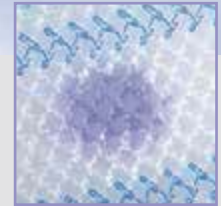
DESCRIPTION

The new Histoacryl® Pro-Set OFX and OFX-1 are sets composed of Histoacryl® glue with an applicator specifically designed for open hernia repair. Histoacryl® Pro-Set OFX now provides a totally non-traumatic, fast and strong way of mesh fixation in open hernia repair, helping to prevent complications and to improve patient outcome in hernia surgery.

Histoacryl® is made of highly purified n-butyl-2-cyanoacrylate, a fast acting synthetic glue that provides excellent mesh-tissue fixation strength. Its blue color makes it easy to control the chosen fixation points and the specifically designed applicator allows for easy and drop-wise application of Histoacryl®, even in those areas that can be difficult to access.

Open tension-free inguinal hernia repair using surgical mesh is one of the most common surgical techniques in general surgery. It represents an effective, highly reproducible method correlated with low recurrence and morbidity. However, favorable patient outcome can become jeopardized by post-operative complications, such as neuralgia, irritation, or chronic pain.

A critical factor in the prevention of such complications seems to be the choice of method for fixation of the mesh. Traditional, traumatic fixation methods that involve suturing or tacking may result in local compression, strangulation or damage to muscular fibers and nerves.



INDICATIONS

- Non-traumatic mesh fixation in open hernia repair

ADVANTAGES

- Reduced risk of post-operative and chronic pain and shorter hospital stay
- No increase in recurrence rate as compared to traumatic fixation
- Decreased surgery time
- Available in blue color for easy visualization and application control
- Specifically designed applicator for easy and precise application

Name	Cat. No.	Pack content	Application
Histoacryl® Pro-Set OFX Pack for Open Repair	1052007	Two Histoacryl® ampoules	One complete surgery
		One Histoacryl applicator - Open Hernia Repair	
Histoacryl® Pro-Set OFX-1 Pack for Open Repair	1051007	One Histoacryl® ampoule	One complete surgery
		One Histoacryl applicator - Open Hernia Repair	

HEMOSTATS

Sangustop®

Lyostypt®

Cellistypt®

Gelita

Bone Wax / Bone Wax Stick

HEMOSTATS



DESCRIPTION

Sangustop® is a highly efficient felt-like hemostat. It is composed of native absorbable collagen fibrils of bovine origin; in addition, Sangustop® contains riboflavin.

Sangustop® is suitable for all types of bleedings (from oozing to severe haemorrhages) and it can be used in open and laparoscopic surgeries.

INDICATIONS

Sangustop® can be applied in:

- Parenchymal organs
- Capillary bleedings
- Bleeding stitches
- Oozing



ADVANTAGES

- Ready-to-use approach
- Excellent adhesion to bleeding surfaces
- Both sides equally active
- Simple handling (also in laparoscopy)
- Absorbed within 3 - 4 weeks
- Can be used as a carrier material for antibiotics or coagulation agents

Size	Content / box	Cat. No.
5 x 8 cm	1 piece	1069400
5 x 8 cm	2 pieces	1069550
5 x 8 cm	4 pieces	1069500
3 x 5 cm	4 pieces	1069600

DESCRIPTION

Lyostypt® is a native, absorbable collagen fleece. The fleece structure being rich in surface offers an ideal framework for the adherence of platelets and thus provides an additional impetus to clotting.

INDICATIONS

Lyostypt® collagen hemostatic fleece is applicable in all fields of surgery for:

- Capillary bleedings
- Oozing wound haemorrhages
- For the local hemostasis in hemodialysis

ADVANTAGES

- Absorbable within 3 - 4 weeks
- Less blood loss and time saving due to fast and efficient hemostasis
- Less material necessary due to the high absorption
- Good affinity to bleeding surfaces
- Can be used as a carrier material for antibiotics or coagulation agents



Size	Content / box	Cat. No.
3 x 5 cm	12 pieces	1069128
5 x 8 cm	6 pieces	1069152
5 x 8 cm	12 pieces	1069020
10 x 12 cm	4 pieces	1069209
5 x 30 cm	4 pieces	1069306
10 x 12 cm	8 pieces	1069039

DESCRIPTION

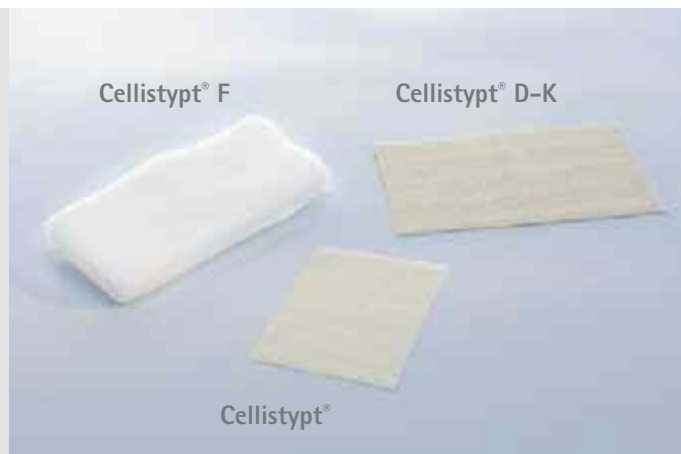
Cellistyp[®] is an oxidized resorbable cellulose hemostat, of 100 % vegetable origin made from natural cotton. Oxidized cellulose hemostats have been used for decades and are well known for their hemostatic properties and easy handling.

B. Braun's Cellistyp[®] product range is available in three different presentations, offering the right option for every indication.

INDICATIONS

Cellistyp[®] hemostats are meant to be used as adjunct to hemostasis in open surgical and minimally invasive procedures in order to control capillary, minor venous and minor arteriolar bleeding, when conventional hemostatic methods such as ligation are impractical or not effective

- Cellistyp[®] basic format, gauze-like hemostat for mild bleeding
- Cellistyp[®] D-K dense knitted format, for increased strength, suitable to wrap organs
- Cellistyp[®] F cotton wool which enables the use of the necessary amount only and allows the placement on all kinds of surfaces including those areas of difficult access



ADVANTAGES

- Ready-to-use approach
- Easy to use
- Bacteriostatic properties
- Does not contain animal or human components

Cellistyp[®]

Description	Code	Content
5 x 1.25 cm	208 0501	15
5 x 7 cm	208 0508	15
7 x 10 cm	208 0511	15
5 x 35 cm	208 0536	10
10 x 20 cm	208 0541	10
1.5 x 1.5 cm	208 0515	40

Cellistyp[®] F

Description	Code	Content
2.5 x 5 cm	208 2025	10
5 x 7.5 cm	208 2075	10
5 x 10 cm	208 2005	10
10 x 10 cm	208 2010	10
10 x 20 cm	208 2020	10

Cellistyp[®] D-K

Description	Code	Content
2.5 x 2.5 cm	208 1203	15
2.5 x 9 cm	208 1209	15
5 x 7.5 cm	208 1275	10
7 x 10 cm	208 1210	10
14 x 20 cm	208 1240	10

Gelita

LOCAL HEMOSTATIC AGENT WHEN SUPPORT OR FILLING IN OF DEAD SPACES IS NEEDED

DESCRIPTION

Gelita is made of pure gelatin and is completely absorbed. The hemostatic effect results from the adherence of the blood platelets to the surface of the sponge and the tamponade effect its swelling creates. Within a short period of time natural blood clotting takes place.

INDICATIONS

To fill in dead spaces and control bleeding in:

- Dentistry and maxillar surgery
- Thoracic surgery
- ENT surgery

Tamponade effect for venous-capillary or parenchymatous bleeding when a suture or ligature is not possible in:

- Orthopedic surgery
- Gynecology
- Vascular surgery
- General surgery
- Urology
- Neurosurgery



ADVANTAGES

- Excellent absorption
- Tissue biocompatibility
- Drug compatibility

Size	Content / box	Cat. No.
1 x 1 x 1 cm	10 pieces	2070014
1 x 1 x 1 cm	50 pieces	2070103
1 x 1.5 x 1.5 cm	50 pieces	2070154
8 x 2 x 1 cm	10 pieces	2070707
8 x 5 x 1 cm	10 pieces	2070600

Bone Wax / Bone Wax Stick

FOR MECHANICAL HEMOSTASIS IN BONE BLEEDING

DESCRIPTION

Bone Wax is a sterile mixture of bees wax (70 %) and vaseline (30 %) to stop bleeding in bones.

Plate format: Can be moulded and applied in a "hand-warm" condition.

Stick format: Can be spread onto the bleeding area.

INDICATIONS

Bone Wax is used for the mechanical hemostasis in bones in:

- Thoracic surgery
- Neurosurgery
- Orthopedics and traumatology
- Dental, oral and jaw surgery

ADVANTAGES

Plate format:

- Soft, easy to shape and apply only "hand-warm"
- Practical, transparent double peel-packs

Stick format:

- Easiest handling
- Practical lipstick format



Format	Content / box	Cat. No.
Plate	24 pieces	1029754
Stick	12 sticks	1029755

BONE REGENERATOR

Osteovit®

BONE REGENERATOR



DESCRIPTION

Osteovit® consists of a porous collagen scaffolding of bovine origin (spongiosa) and is completely absorbable.

INDICATIONS

For filling bone defects e. g. after the removal of tumours and cystectomy and filling cages:

- In orthopedics
- In maxillo-facial surgery
- In plastic surgery
- In dental surgery
- In neurosurgery (spine)

ADVANTAGES

- Absorbable
- Good tissue compatibility
- The porous collagen structure encourages spongiosa ingrowth
- Adjustability of the shape of the Osteovit® cubes to the bone cavity in wet and dry condition
- Augmentation of autologous spongiosa



Size	Content / Box	Cat. No.
2 x 2 x 1 cm	10 pieces	1028030
1.5 x 1.5 x 0.5 cm	10 pieces	1028022
1 x 1 x 1 cm	10 pieces	1028014

ENDOLUMINAL VACUUM THERAPY

Endo-SPONGE®

Eso-SPONGE®

Endo-SPONGE®

ENDOLUMINAL VACUUM THERAPY FOR COLORECTAL AREA

DESCRIPTION

The Endo-SPONGE® is a minimally invasive method for the treatment of anastomotic leak in the low rectal area. The cavity is drained by the endoscopically introduced Endo-SPONGE® system with Redyrob® TRANS PLUS. The open pores of the sponge allow the suction to be transferred over all tissue in contact with the sponge surface.

INDICATIONS

- Anastomotic leak following colo-rectal surgery with anastomosis in the area of the lower pelvic area (extraperitoneal position)
- Hartmann's stump leak in the area of the lower pelvic area (extraperitoneal position)

TREATMENT CRITERIA

- Localized lower abdominal peritonitis
- Endoscopically accessible leakage
- Sufficient drainage
- Rapid clinical improvement of patient's condition



ADVANTAGES

- Continuous drainage, no build up of secretion
- Debridement, rapid cleaning of the wound cavity
- Promotes granulation
- Mechanically reduces the size of the wound cavity
- Controls infection

ADVANTAGES FOR THE PATIENT

- High level of acceptance
- High compliance
- No unpleasant odours
- Outpatient treatment possible in some cases

Product description	Content / box	Cat. No.
Endo-SPONGE®	Single-kit	5526530
Endo-SPONGE®	5 sets	5526520
Endo-SPONGE®	10 sets	5526510

Accessory product description	Content / box	Cat. No.
Redyrob® TRANS PLUS	10 units	5526604

Eso-SPONGE®

ENDOLUMINAL VACUUM THERAPY FOR OESOPHAGEAL AREA

DESCRIPTION

The Eso-SPONGE® is a minimally invasive method for the treatment of anastomotic leaks and perforations in the oesophageal region.

The cavity is drained by the endoscopically introduced Eso-SPONGE® system, the open pores of the sponge allow the suction to be transferred over all tissue in contact with the sponge surface.

It is recommended to be use in conjunction with the low vacuum pump by MTG Sulzbach (MV1, ref. 19116)

INDICATIONS

- Treatment of anastomotic leaks or perforations in the oesophageal region with a paraoesophageal and mediastinal septic focus
- The oesophageal region with a paraoesophageal and mediastinal septic focus and a localised abscess which can be fully drained should be accessible by endoscope and suitable for endoscopically assisted vacuum therapy

TREATMENT CRITERIA

- Localised abscess in the oesophageal region
- Endoscopically accessible leakage
- Sufficient drainage



ADVANTAGES

- Continuous drainage, no build up of secretion
- Debridement, rapid cleaning of the wound cavity
- Promotes granulation
- Mechanically reduces the size of the wound cavity
- Controls infection

ADVANTAGES FOR THE PATIENT

- Minimal invasive treatment
- Avoids re-operations
- Reduces mortality rate

Product description	Content / box	Cat. No.
Eso-SPONGE®	13 mm Ø overtube Single-kit	5526550
Eso-SPONGE®	15 mm Ø overtube Single-kit	5526540

SIMPLE MANAGEMENT OF NEEDLES AND BLADES

OP-Magnet

OP-Magnet

SIMPLE MANAGEMENT OF NEEDLES AND BLADES

DESCRIPTION

The OP-Magnet is a sterile packed device for the management of needles and small metal pieces such as scalpel blades.

OP-Magnet allows for a clear arrangement before the operation, safe keeping of small metal pieces during the operation and an easy disposal after the operation.

FEATURES

- Sterile individual packaging
- Non-slippery pad
- Elevated magnetic fields
- Practical size
- Clear arrangement of needles and blades possible
- OP-Magnet can be folded together



ADVANTAGES

- Immediate use at any time
- OP-Magnet does not slide
- Easy and convenient removal of the needles, etc.
- Space-saving and clear arrangement
- Facilitates control and counting after surgery
- Allows for easy disposal

Content / box	Cat. No.
12 pieces	1091506

B. Braun Surgical, S.A. | Carretera de Terrassa, 121 | 08191 Rubí | Spain
Phone +34 93 586 6200 | Fax +34 93 699 6330 | www.bbraun.com

AESCULAP® – a B. Braun brand

Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany
Phone +49 7461 95-0 | Fax +49 7461 95-2600 | www.aesculap.com

The product trademarks "Safil", "Monosyn", "Premilene", "PremiCron", "Dafilon", "Dagrofil", "Silkam", "Steelex", "Securex", "Tendofil", "Ventrofil", "Histoacryl", "Lyostypt" and "Osteovit" are registered trademarks of B. Braun Melsungen AG.
The product trademarks "RacePack", "Novosyn", "MonoPlus", "Monomax", "Optilene", "Trelon", "Omyra", "Sangustop", "Cellistypt", "Endo-SPONGE" and "Eso-SPONGE" are registered trademarks of Aesculap AG.

Subject to technical changes. All rights reserved. This brochure may only be used for the exclusive purpose of obtaining information about our products.
Reproduction in any form partial or otherwise is not permitted.